# KV-C2913D
RM-673

SONY
# SERVICE MANUAL

*Scandinavian Model*
*Chassis No. SCC-C65B-A*

## 1. INTRODUCTION

1. A Circuit board has been changed.
2. A1 Circuit board has been changed.
3. B Circuit board has been changed.
4. J1 Circuit board has been changed.

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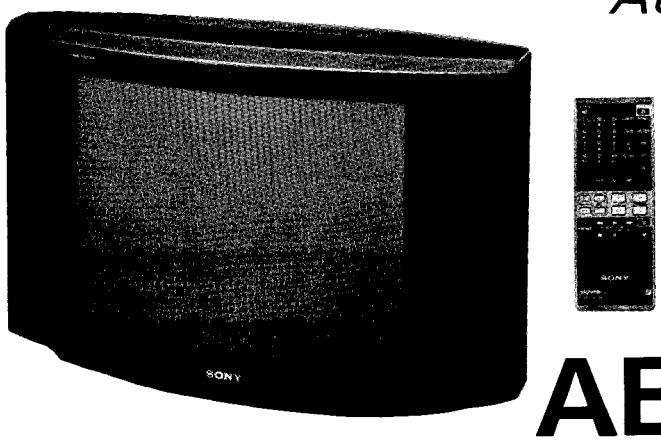
# KV-C2911D
RM-673

# SERVICE MANUAL

*AEP Model*
*Australian Model*
*Chassis No. SCC-B14W-A*






# AE-1 CHASSIS

**Note:** The service manual for RM-673 has been issued separately.

| MODELS OF THE SAME SERIES | |
|---|---|
| KV-C2911D | |
| KV-C25TD (AEP ONLY) | |
| KV-X2521D (AEP ONLY) | |

## SPECIFICATIONS

| | |
|---|---|
| Television system | CCIR B, G and H |
| Color system | PAL, SECAM, NTSC3.58, NTSC4.43 |
| Stereo system | German two-carrier system |
| Channel coverage | (AEP) VHF channels E2–E12<br>UHF channels E21–E69<br>Cable TV channels S01–S03, S1–S41<br>(A total of up to 30 preselected channels)<br>(AUS) VHF channels 1–11<br>UHF channels 28–63 |
| Picture tube | Trinitron tube<br>110-degree deflection<br>Approx. 72.4 cm (29 inches)<br>(Approx. 68 cm picture measured diagonally) |
| Inputs | 21-pin connector : CENELEC Standard<br>21-pin connector : RGB input<br>unconnected<br>S-VIDEO Y : 1 Vp-p ±3 dB 75 Ω<br>C : 0.3 Vp-p ±3 dB 75 Ω |
| Outputs | Headphones jack : stereo minijack<br>External speaker terminals : 2-pin DIN<br>Audio output jack : phonojack output level dependent upon TV setting |
| Power consumption | 107.2 Wh |
| Dimensions | Approx. 854 × 555 × 510 mm (w/h/d) |
| Weight | Approx. 51.4 kg |
| Supplied accessories | RM-673 Remote Commander (1)<br>IEC designation R6 batteries (2) |
| Audio output | 10 W + 10 W (music power) |

Design and specifications are subject to change without notice.

MICROFILM

TRINITRON® COLOR TV
SONY®

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# SECTION 1
# GENERAL

**Note)** The layout, etc., will be slightly different from the operating instructions packed with the units.

## 1−1. FIRST OF ALL

**1 Connect the aerial to the 1T socket on the rear of the set.**
**This socket receives the standard 75-ohm aerial plug.**
**2 Plug in the set.**
**3 Tune in the available channels.**

**Use the buttons inside the panel. To open the panel, push the center.**

**To tune in all channels automatically :**
1 Press ⇧ (preset).
2 Press PROGR to select the program position from which tuning is to start.
3 Press ⇧ (auto programing).

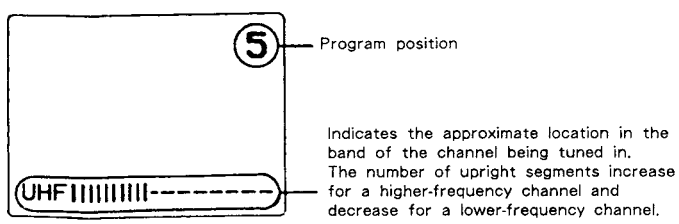
The channels will be tuned in and memorized in consecutive positions, beginning from the program position selected in step 2.
When tuning has been completed, the set returns to the position where tuning began.

**To tune in a channel in any desired program position.**
(e. g. the position which the same number as the channel) :
1 Press ⇧ (preset).
2 Press PROGR to select the desired program position.
3 Press C (clear).
4 Press ⇆ (search) repeatedly until the desired channel appears.
5 Repeat steps 2 to 4 for all channels, if required.
6 Press ⇧ (preset) again.

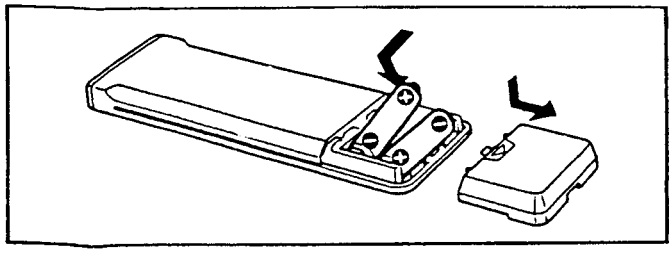
If the set is to be used in an area with poor reception, preset the program numbers between 1 and 19 for TV program use.

**To have the unused program positions skipped when PROGR+ or PROGR− is pressed**
1 Press ⇧ (preset).
2 Press PROGR to select the unused position.
3 Press C (clear).
4 Repeat steps 2 and 3 for all unused position.
5 Press ⇧ (preset) again.

**On-screen display while tuning**

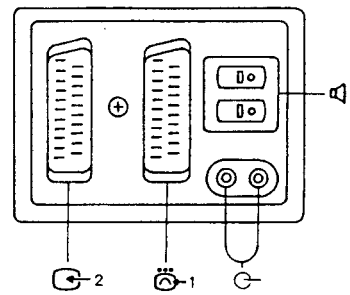

5
Program position
UHF
Indicates the approximate location in the band of the channel being tuned in.
The number of upright segments increase for a higher-frequency channel and decrease for a lower-frequency channel.

**4 Insert two R6 batteries checking the correct polarity.**



## 1−2. CONNECTING OTHER EQUIPMENT

**Connectors on rear set**




| | | |
|---|---|---|
| L/G/S | Left external speaker terminal (2-pin DIN) | Connect to external speakers. The TV speakers will be disconnected. speakers 8−16 Ω |
| R/D/D | Right external speaker terminal (2-pin DIN) | |
| R/D/D | Right audio output jack (phono jack) | Connect to audio equipment. When only using the phono-jacks, two loudspeaker plugs, (DIN 41529) should be insarted into the extemal speaker termi nals so that the TV spaker output is switched off. |
| L/G/S | Left audio output jack (phono jack) | |
| 1 | 21-pin connector (CENELEC standard) | Connect to a VTR micro computer, etc. The picture of the TV channel being received is always output. The picture of 2 can be watched while recording a TV program with the VTR connected to 1. |
| 2 | 21-pin connector (without RGB input) | Connect to second VTR. The picture displayed on the screen is always output. The picture of 1 can be recorded with the VTR connected to 2 while monitaring the picture. |

**VTR operation using the supplied Commander**

Remote operation of the VTR is limited to the features and functions of the VTR. For further details, refer to the VTR manual.
When watching a video with the VTR connected to the 1T connector, set the channel for the video to the program number 0 or any empty channel between 20 and 29.

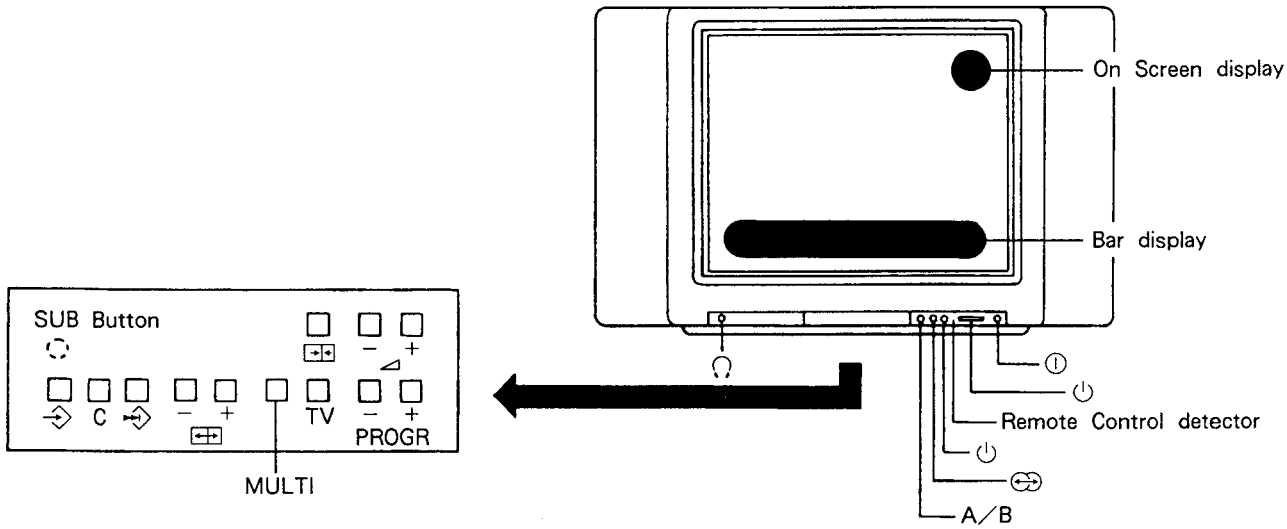
**Note**
Move the VTR away from the TV, if the picture or sound is distorted.

**21 pin connector (1, 2)**

| Pin No. | 1 | 2 | Signal | Signal level |
|---|---|---|---|---|
| 1 | ○ | ○ | Audio output B (right) | Standard level : 0.5 Vrms<br>Output impedance : Less than 1 k ohm* |
| 2 | ○ | ○ | Audio input B (right) | Standard level : 0.5 Vrms<br>Input impedance : More than 10 k ohms* |
| 3 | ○ | ○ | Audio output A (left) | Standard level : 0.5 Vrms<br>Output impedance : Less than 1 k ohm* |
| 4 | ○ | ○ | Ground (audio) | |
| 5 | ○ | ○ | Ground (blue) | |
| 6 | ○ | ○ | Audio input A (left) | Standard level : 0.5 Vrms<br>Input impedance : More than 10 k ohms* |
| 7 | ○ | ● | Blue input | 0.7 V ±2 dB, 75 ohms, positive |
| 8 | ○ | ○ | Function select (AV control) | High state (9.5–12 V) : Part mode<br>Low state (0–2 V) : TV mode<br>Input impedance : More than 10 k ohms<br>Input capacitance : Less than 2 nF |
| 9 | ○ | ○ | Ground (green) | |
| 10 | ○ | ○ | Open | |
| 11 | ○ | ● | Green/Green with sync input | Green signal : 0.7 V ±2 dB, 75 ohms, positive<br>Green with sync signal : 1 V ±2 dB, 75 ohms, positive |
| 12 | ○ | ○ | Open | |
| 13 | ○ | ○ | Ground (red) | |
| 14 | ○ | ○ | Ground (blanking) | |
| 15 | ○ | ● | Red input | (Same as Pin 7) |
| 16 | ○ | ● | Blanking input (Ys signal) | High state (1–3 V)<br>Low state (0–0.4 V)<br>Input impedance : 75 ohmes |
| 17 | ○ | ○ | Ground (video output) | |
| 18 | ○ | ○ | Ground (video input) | |
| 19 | ○ | ○ | Video output | 1 V ±2 dB, 75 ohms, positive<br>Sync : 0.3 V (–3, ±10 dB) |
| 20 | ○ | ○ | Video input | 1 V ±2 dB, 75 ohms, positive<br>Sync : 0.3 V (–3, ±10 dB) |
| 21 | ○ | ○ | Common ground (plug, shield) | |

* at 20 Hz–20 kHz ○ connected ● unconnected (open)

## 1-3. FUNCTION OF CONTROLS




### On the set

**On-screen display**
Indicates program numbers and input modes.

**Bar display**
Indicates the level of volume, color, brightness, contrast, bass, treble and balance.

**Note on function.**
When the volume is at the minimum setting the balance function will not operate.

**Power switch**
To cut off the mains power completely, press this switch. Depress the power switch fully to ensure correct operation of the set.

**Note**
To ensure correct operation, push the switch in fully.

**standby indicator**
Lights up brightly when the set is in the standby mode.

**Note**
If the main power is turned off when in standby mode, the standby indicator will take 2 to 6 seconds to go off.

**space sound indicator**
Lights up when on the Remote Commander is pressed.

**A/B indicators**
One of them lights during bilingual broadcast. (Choose A or B with the Remote Commander.)
Both light during stereo broadcast. In AV mode, A lights for left channel, B for right channel, or A and B for both channels.

**Remote control detector**
Point the Remote Commander towards this detector.

### Inside the panel

**headphones jack (stereo minijack)**

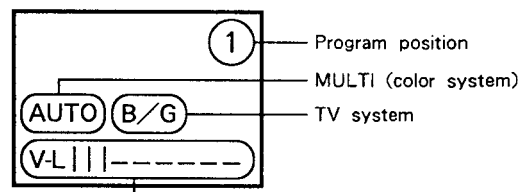
**SEARCH buttons**
Press to fine tune a weak channel manually, if required. When is pressed, the indicator (AFT) goes off and the AFT cricuit does not function on the selected channel. To restore the AFT circuit on this channel, press (AFT) so that the indicator lights up.

**AFT button and indicator**
Normally, press so that the indicator lights up.
The AFT circuit automatically fine tunes the channel for the best possible picture.

**volume buttons**

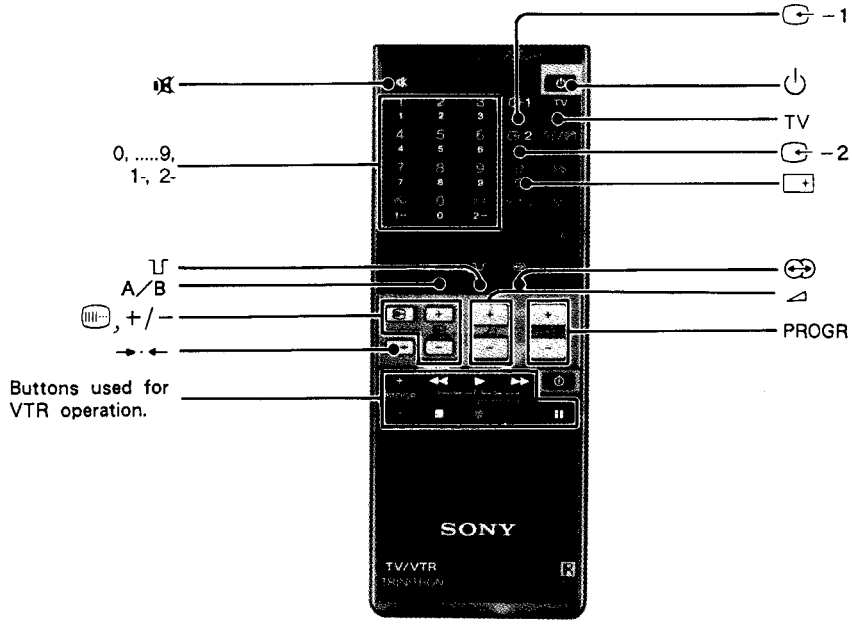
**PROGR+, PROGR- program scan buttons**

**On-screen display during presetting**




Indicates the approximate location in the band of the channel being tuned in.
"V-L" : low VHF band, "V-M" : high VHF band, "V-H" : Hyper band, "UHF" : UHF band.
The number of upright segments increases for a higher-frequency channel.

Each time MULTI button (COLOR SYSTEM) is pressed, the following indications appear in this order.
AUTO ; NTSC3.58 ;
Normally set to the AUTO position. The available color system is selected automatically.




RM-673

## On the Remote Commander

To operate the Commander, point it toward the remote control detector.

**mute button**

**0, .... , 9, 1-, 2- buttons**
To tune in to :
program 15, press 1- and 5.
program 25, press 2- and 5.

**A/B button**
Press to select the language in a bilingual broadcast, or to select the channel in AV mode.

**, +/- analogue select buttons**
Press .
◑ will appear on the screen. Adjust by pressing + or -.
Press again and adjust (color), then ☼ (brightness), (bass), (treble) and (balance).

**→ • ← reset button**
Press to reset color, contrast and brightness to factory-set levels.

**standby button**
Press to change to the standby mode. Use this button to turn off the set for short periods of time.
To turn on the set, press TV or the program number ; there will be a slight delay before the picture is restored.

If the main power is turned off when in standby mode, the standby indicator will take 2 to 6 seconds to go off.

**TV button**
Press to change to the TV mode from standby, input or teletext modes.

**1 input button**
Press to view the input picture coming in through the 1 connector.
"1" lights up on the screen.
Press TV or the program number to return to the TV mode.

**2 input button**
Press to view the input picture coming in through the 2 connector.
"2" lights up on the screen.
Press TV or the program number to return to the TV mode.

**on-screen display button**
Press to make the display appear on the screen.
Press again to make it disappear.

**loudness button**
Press to emphasize high and low notes.

**space sound button**
Press to obtain special acoustic effects.

**volume buttons**

**PROGR program scan buttons**

**Note**
Buttons not referred to on this page or next page do not operate.

## 1-4. VIEWING TELETEXT

To view the teletext service, use the Remote Commander. The buttons for teletext operation are indicated in green.

**Operation**

1 Select the TV channel for the desired teletext service.
2 Press ⊜/⊜ (TEXT/MIX) to display the teletext service.
Once ⊜/⊜ has been pressed, the TV channel cannot be changed.
3 Key in the three digits for the desired page using the number buttons. If an error is made, complete the three-digit sequence by keying in any digit. Then re-enter the correct page number. The requested teletext page is displayed.

To return to the TV mode, press TV on the remote commander.

The teletext service can be displayed directly from the standby mode, by pressing ⊜/⊜.

**To receive the teletext service of a different TV channel**
1 Press TV to return to the TV mode.
2 Select the desired TV channel.
3 Press ⊜/⊜.

**Note**
To receive the teletext service accurately, keep ⊞ inside the panel switched on during teletext operation.

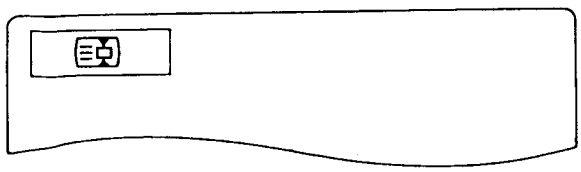
**To display the index page**
Press ⊜ (INDEX).
If the necessary signal is not being broadcast, page 100 is displayed.

**To access the next or preceding page**
Press ⊜ (PAGE+) or ⊜ (PAGE−).

**To superimpose the teletext display on the TV picture**
Press ⊜/⊜ twice from TV mode.
Press again to return to the TEXT display.

**To suppress the teletext display so that the TV picture is displayed**
Press ⊜ (TEXT CL).
This button can be operated from both the TEXT and MIX displays.

**To prevent a teletext page (subpage) from being updated /changed**
Press ⊜ (HOLD). The HOLD symbol appears at the top of the screen.



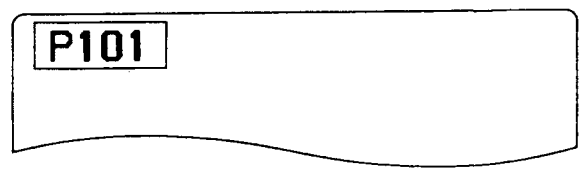
To resume normal teletext reception, press ⊜/⊜.

**To enlarge the teletext display**
Press ⊜.
Press once to enlarge the upper half of the display ; press again to enlarge the lower half of the display ; press again to return to the normal display.

**To reveal concealed information such as the answers to a quiz**
Press ⊜ (REVEAL).
Press again to conceal the answers.

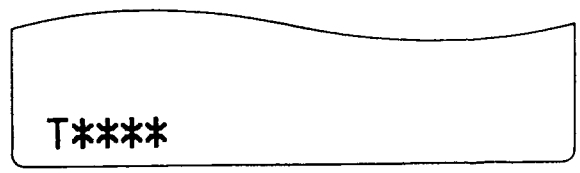
**To adjust the contrast of the teletext display**
When in teletext mode, adjust by using the + or − keys adjacent to the ⊜ key.

**To watch the TV program while waiting for a requested page to be displayed**
1 Request the new page.
2 Press ⊜ to watch the TV program.
The requested page number appears at the top left of the screen.
When the requested page has been captured, the page number is displayed in the top left hand corner of the screen.

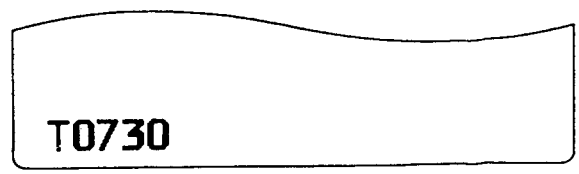



To view this page, press ⊜/⊜.

**To have a requested page displayed at a pre-determined time**
1 Request a time coded page (e. g. alarm page).
2 Press ⊜ (TP ON).
"T✱✱✱✱" will appear at the bottom of the screen.



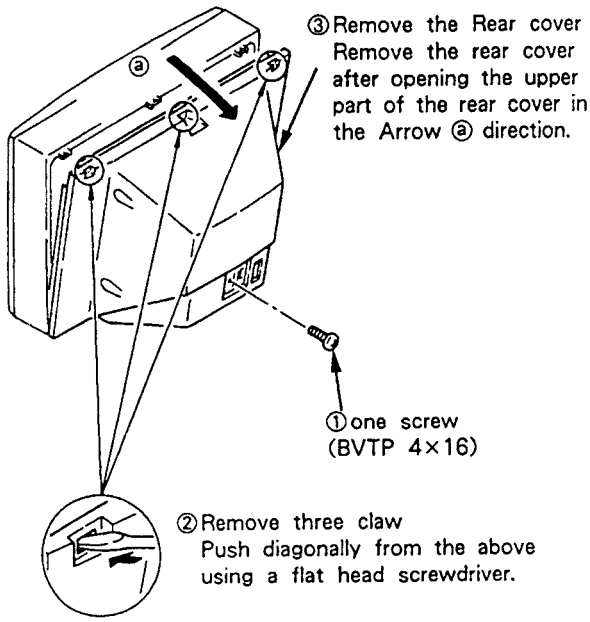

3 Enter your request time with the number buttons, using four digits. For example, 07 : 30.



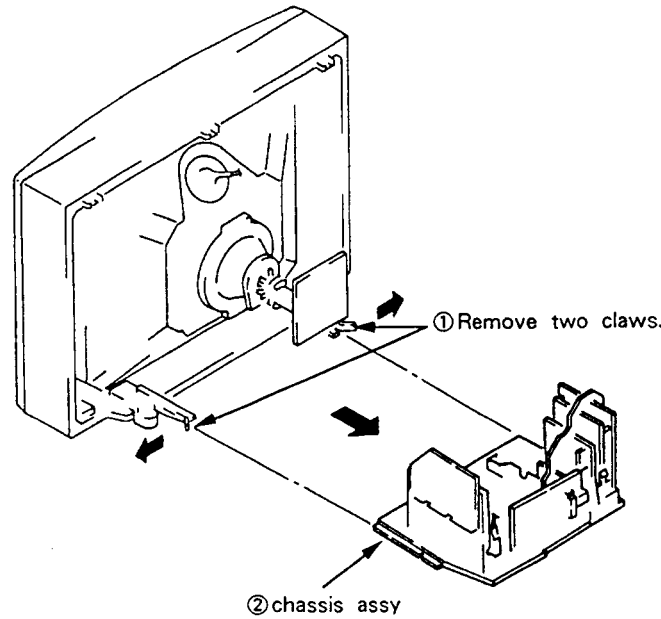

To watch the TV program until the requested time, press ⊜. At the requested time, the page number will be displayed at the bottom of the screen.
To view this page, press ⊜/⊜.
To cancel the request, first ensure that the teletext page is displayed, then press ⊜ (TP OFF).

# SECTION 2
# DISASSEMBLY

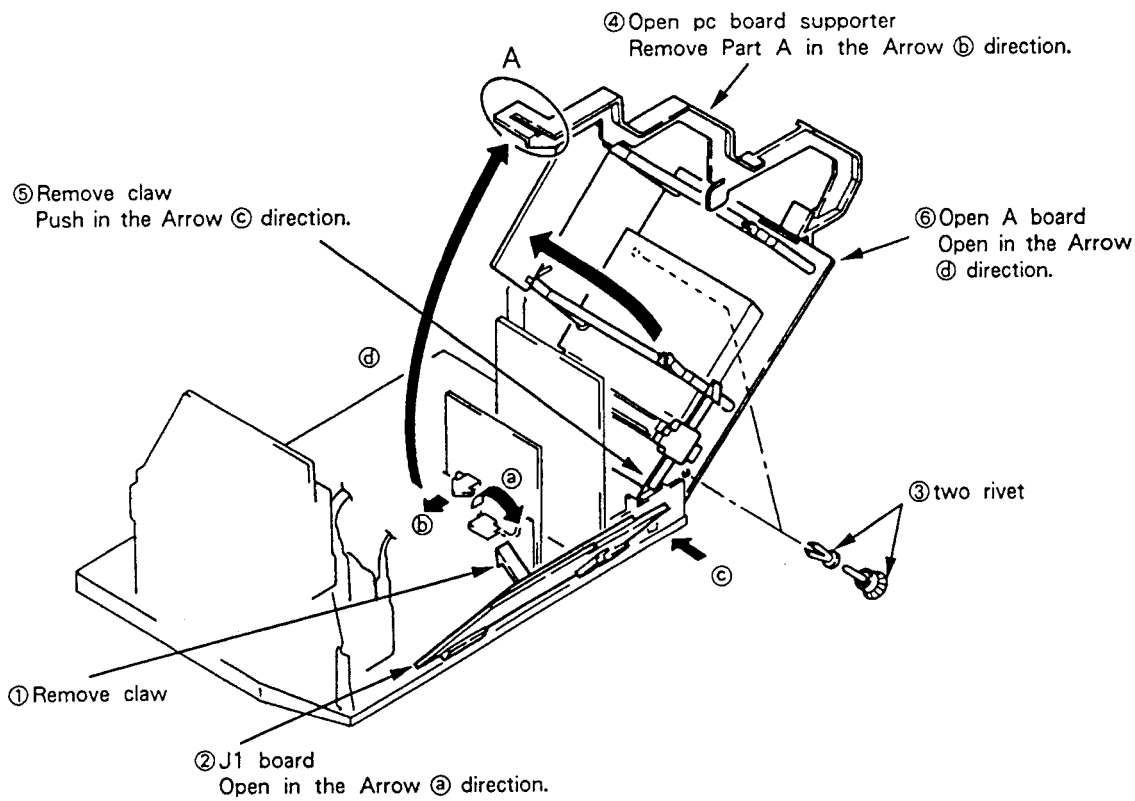
## 2-1. REAR COVER REMOVAL


③Remove the Rear cover
Remove the rear cover after opening the upper part of the rear cover in the Arrow ⓐ direction.
①one screw (BVTP 4×16)
②Remove three claw
Push diagonally from the above using a flat head screwdriver.

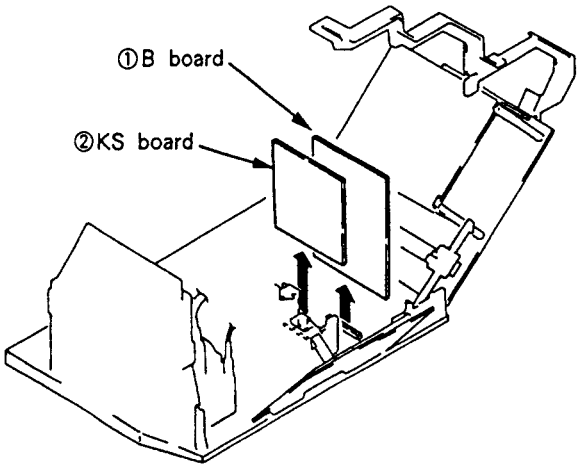
## 2-2. CHASSIS ASSY REMOVAL



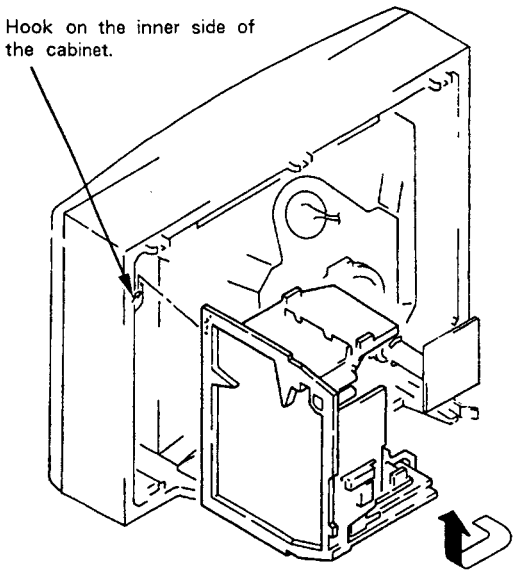

## 2-3. J1, A AND V BOARDS REMOVAL



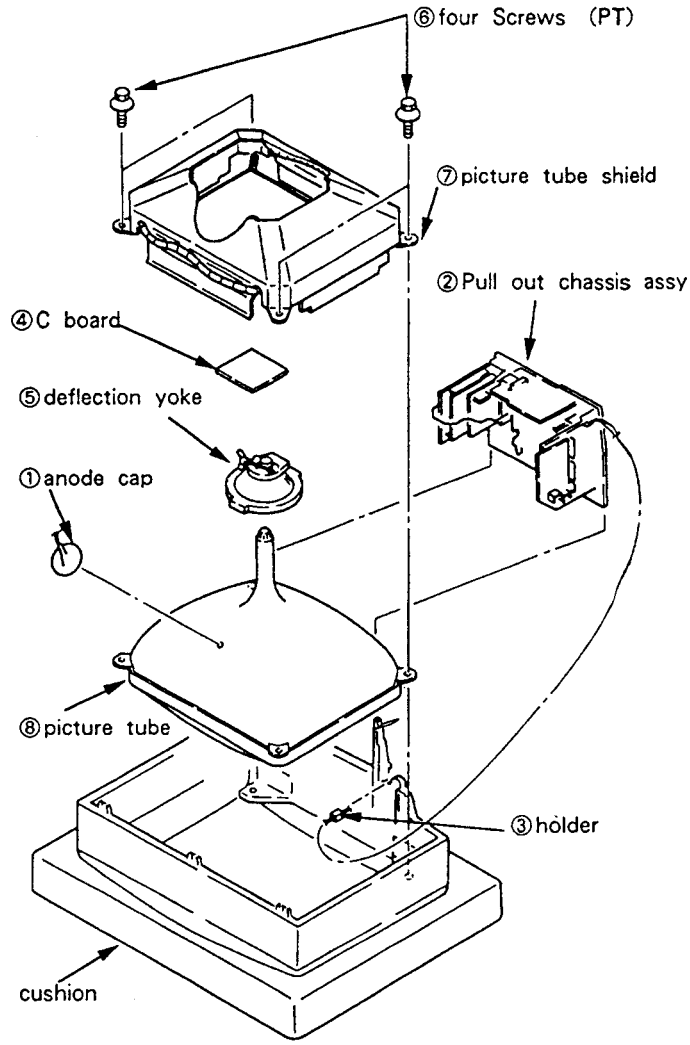
## 2-4. KS AND B BOARDS REMOVAL




## 2-5. SERVICE POSITION




## 2-6. PICTURE TUBE REMOVAL

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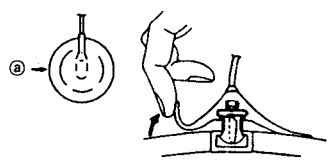
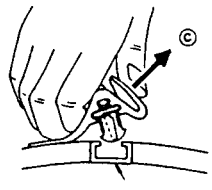
- **Removing Procedures**

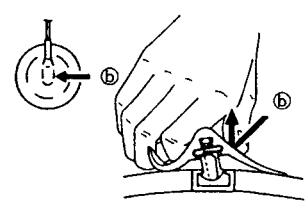



① Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ.




Anode button

② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow ⓑ.




③ When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ⓒ.

# SECTION 3
# SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

◑CONTRAST control ····· 80% (or Normal by Commander)
☼BRIGHTNESS control ····· 50%

Perform the adjustments in order as follows :
1. Beam Landing
2. Convergence
3. Focus
4. White Balance

**Note :** Test Equipment Required.
1. Color Bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

**Preparation**
- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

## 3−1. BEAM LANDING

1. Position neck ass'y as shown in Fig. 3−1
2. Input a raster signal with the pattern generator.
   CONTRAST ····· normal
   BRIGHTNESS ····· normal
3. Turn the raster signal of the pattern generator to red.
4. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3−2 to 3−4)
5. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig. 3−2)
6. Switch over the raster signal to blue and green and confirm the condition.
7. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
8. When landing at the corners is not right, adjust by using the magnet. (Fig. 3−5)

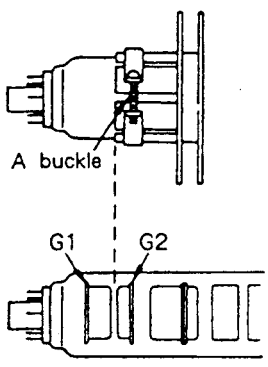


Fig. 3−1

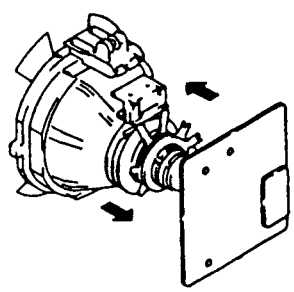


Fig. 3−2

Fig. 3−3

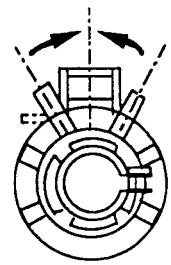



Fig. 3−4

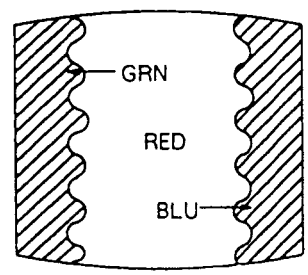
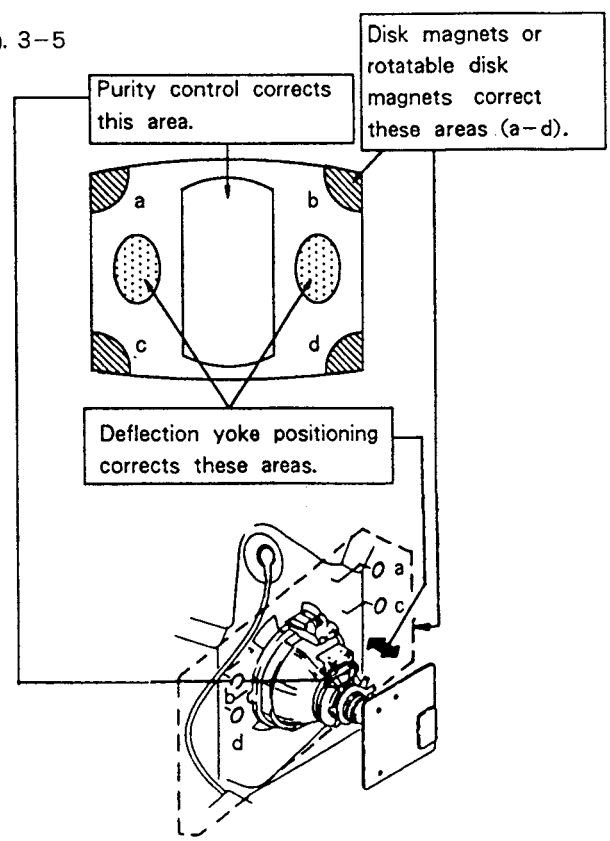



Fig. 3−5

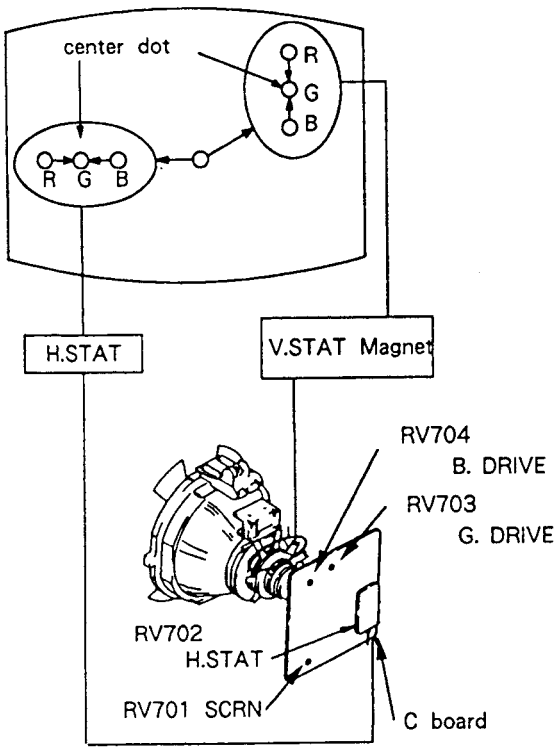


## 3−2. CONVERGENCE

**Preparation :**

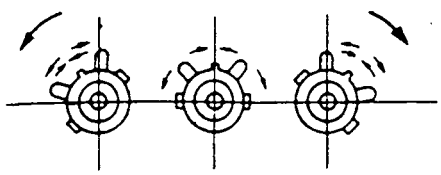
- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

**(1) Horizontal and Vertical Static Convergence**

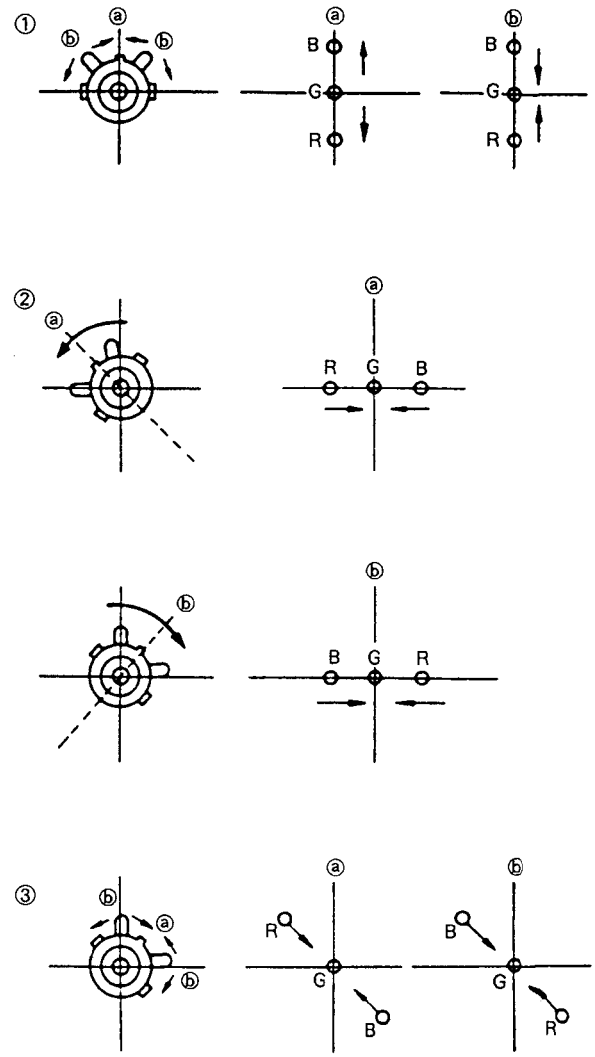



1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)
3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)

- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



4. When the V. STAT magnet is moved in the direction of arrow ⓐ and ⓑ, red, green and blue dots move as shown below.

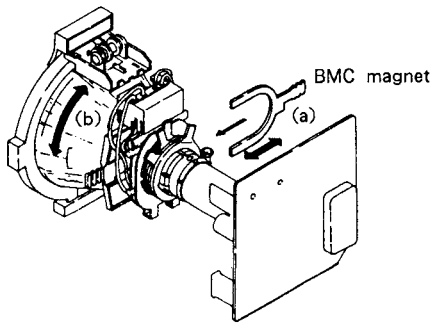


If the red and blue dots do not coincide with green dot, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.

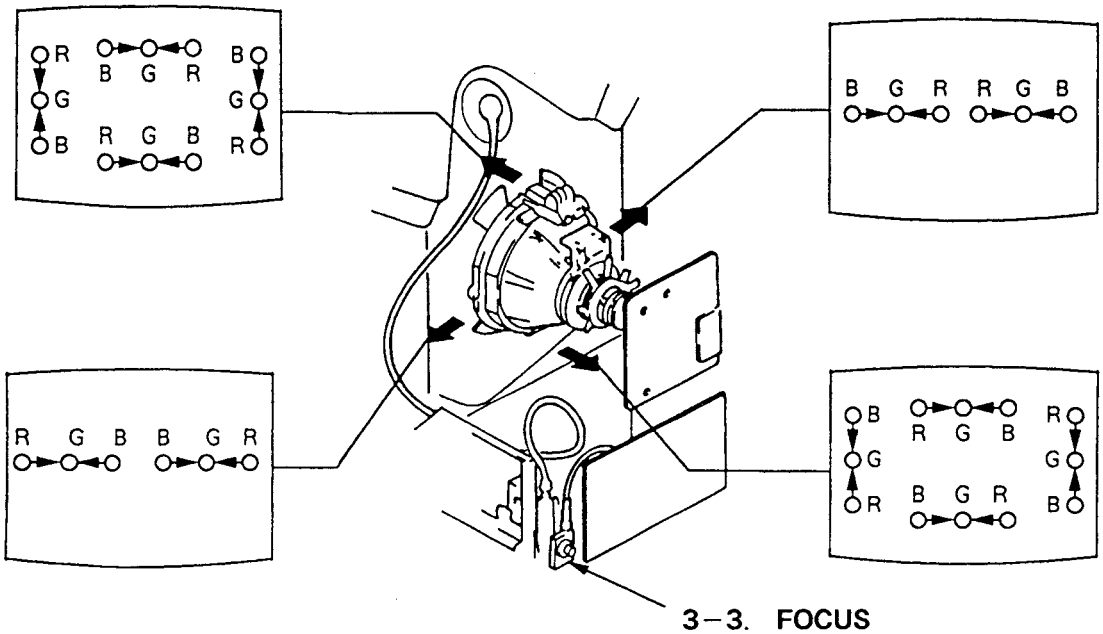


### (2) Dynamic Convergence Adjustment

**Preparation :**

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

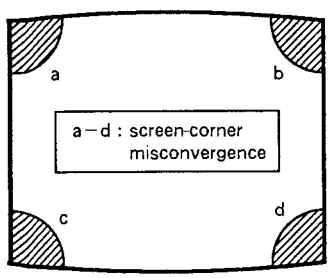
1. Slightly loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.

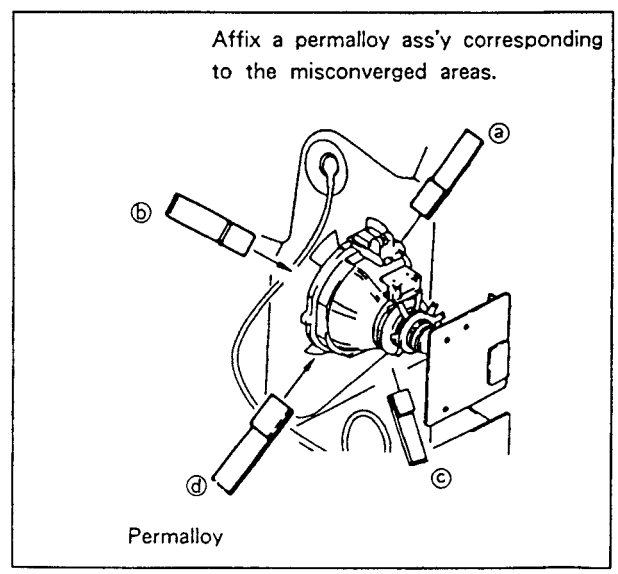



## 3–3. FOCUS

Adjust FOCUS so that the whole screen is in best focus.

### (3) Screen-corner Convergence



## 3-4. WHITE BALANCE

**[Screen (G2) Setting]**

1. Input dot signals from the pattern generator.
2. Set the picture BRIGHTNESS control to the minimum level.
3. Apply 170 V dc to the cathodes of R, G, and B from an external power source.
4. While watching the picture, adjust the G2 volume (RV701) immediately before the fly-back line disappears.

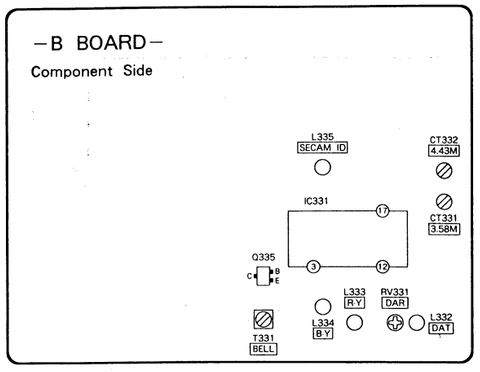
**[White Balance Adjustment]**

1. Input all-white signals from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the white balance using RV704 (B DRIVE) and RV703 (G DRIVE).

In the following adjustments, the CONTRAST COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

# SECTION 4
# CIRCUIT ADJUSTMENTS

## 4-1. B BOARD ADJUSTMENTS




**REF OSC 3.58 MHz Adjustment (CT331)**

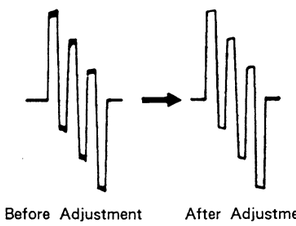
1. Input a NTSC 3.58 MHz COLOR BAR pattern.
2. Short circuit between pin ⑰ of IC331 and ground.
3. Adjust CT331 to obtain color synchronization.
4. Remove the jumper wire from IC331.

**REF OSC 4.43 MHz Adjustment (CT332)**

1. Input a NTSC 4.43 MHz COLOR BAR pattern.
2. Short circuit between pin ⑰ of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

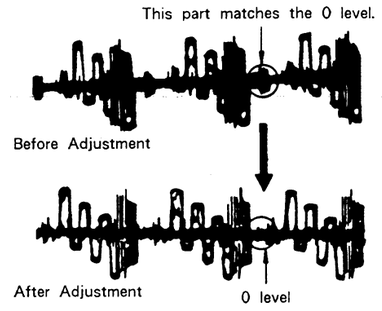
**1H DELAY LINE Adjustment (L332, RV331)**

1. Input a PAL COLOR BAR pattern.
2. Connect the oscilloscope to pin ③ (B-Y) of IC331 and observe the waveform of the H block on the oscilloscope.
3. Adjust L332 to minimize the double waveform outline.



Before Adjustment After Adjustment

4. Input a TEST COLOR BAR pattern.
5. Rotate the RV331 control and adjust till the ANTI-PAL of the waveform matches the 0 level.



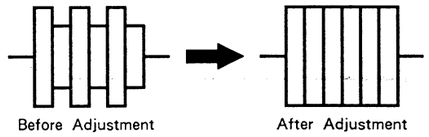

6. L332 and RV331 affect each other. Repeat till the conditions of both meet.

**SECAM ID Adjustment (L335)**

1. Input a SECAM COLOR BAR pattern.
2. Connect a Digital Multimeter to pin ㉑ of IC331.
3. Adjust L335 so that the indicator goes up to the maximum.

**BELL FILTER Adjustment (T331)**

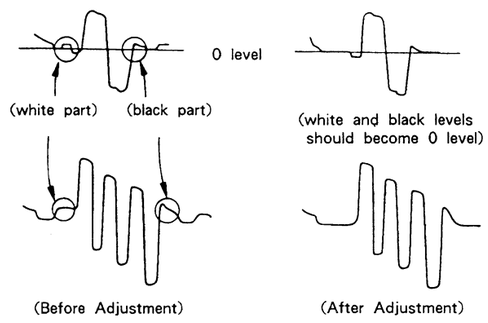
1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q335 emitter.
3. Adjust T331 so that the waveform becomes flat.



Before Adjustment After Adjustment

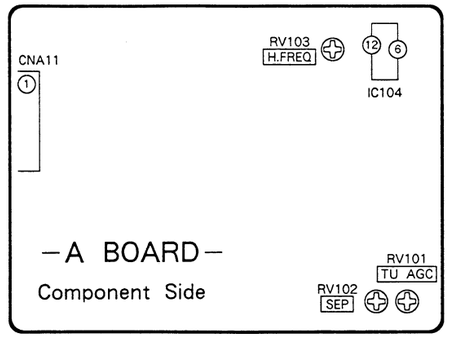
**SECAM DISCRI Adjustment (L333, L334)**

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin ① of IC331.
3. Adjust L333 so that white and black parts of the waveform of pin ① become 0 level.
4. Connect an oscilloscope to pin ③ of IC331.
5. Adjust L334 so that white and black parts of the waveform of pin ③ become 0 level.






## 4-2. A BOARD ADJUSTMENT




**TUNER AGC Adjustment (RV101)**

1. Tune in an off-air signal.
2. Adjust RV101 so that snow-noise and cross-modulation just disappear from the picture.

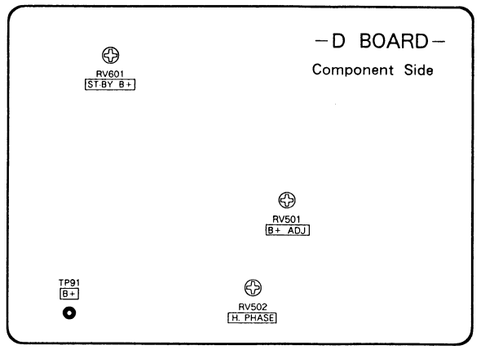
**STEREO SEPARATION Adjustment (RV102)**

1. Input stereo signals. (L-CH 1 kHz, R-CH 400 Hz)
2. Check the stereo indicator.
3. Connect an oscilloscope to pin ① (L) of CNA11 through band pass filter of 1 kHz.
4. Adjust RV102 so that 1 kHz voltage goes down to the minimum.

**H. FREQ. Adjustment (RV103)**

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑫ of IC104 and ground.
3. Connect a frequency counter to pin ⑥ of IC104 through a probe of 10 : 1.
4. Adjust RV103 so that H. frequency becomes 15.625 ±50 Hz.

## 4-3. D BOARD ADJUSTMENTS




**B+ Adjustment (RV501)**

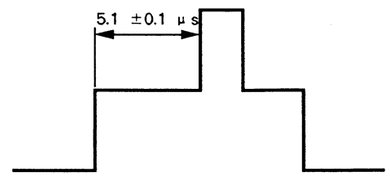
1. Connect a Digital Multimeter to TP91.
2. Adjust RV501 so that the voltage becomes 135 ±0.2 V.

**ST-BY B+ Adjustment (RV601)**

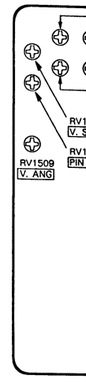
1. Set up ⏻ standby (Remote Commander) mode.
2. Connect the Digital Multimeter to TP91.
3. Adjust RV601 so that the voltage becomes 135 ±3 V.
4. Release the ⏻ standby (Remote Commander) mode.

**H. PHASE Adjustment (RV502)**

1. Input a PAL TEST COLOR BAR pattern.
2. Set the CONTRAST and BRIGHTNESS controls to the standard positions.
3. Set RV1508 (H. CENT) to the mechanical center position.
4. Connect an oscilloscope to pin ⑪ (SPC OUT) of IC501.
5. Rotate RV502 and adjust Block T to 5.1 ±0.1 μs.




## 4-4.




RV15 H. CE

RV15 H. SIZ

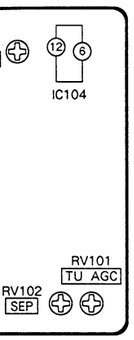
RV15 V. SIZ

RV15 V. AN

RV15 PIN A

RV15 PIN F

ENT




)

y-noise and cross-
n the picture.

t (RV102)

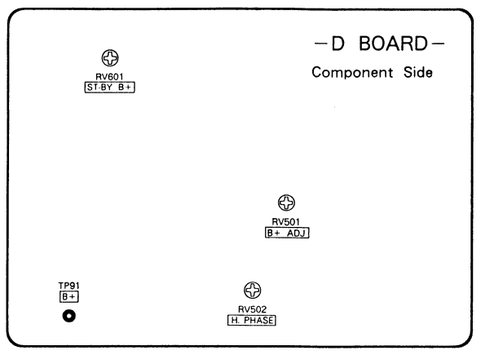
kHz, R-CH 400 Hz)

① (L) of CNA11
kHz.

ttern.
IC104 and ground.
to pin ⑥ of IC104

requency becomes

## 4-3. D BOARD ADJUSTMENTS




**B+ Adjustment (RV501)**

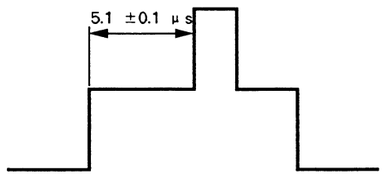
1. Connect a Digital Multimeter to TP91.
2. Adjust RV501 so that the voltage becomes 135 ±0.2 V.

**ST-BY B+ Adjustment (RV601)**

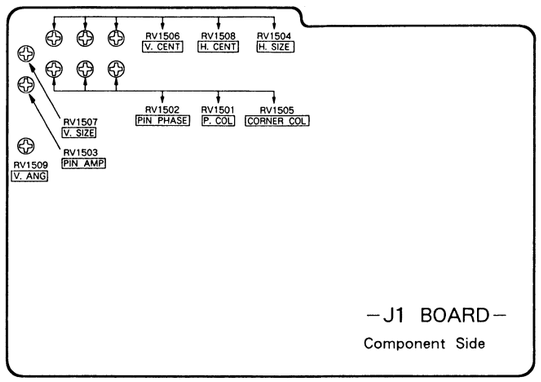
1. Set up ⏻standby (Remote Commander) mode.
2. Connect the Digital Multimeter to TP91.
3. Adjust RV601 so that the voltage becomes 135 ±3 V.
4. Release the ⏻standby (Remote Commander) mode.

**H. PHASE Adjustment (RV502)**

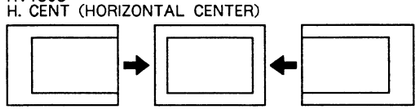
1. Input a PAL TEST COLOR BAR pattern.
2. Set the CONTRAST and BRIGHTNESS controls to the standard positions.
3. Set RV1508 (H. CENT) to the mechanical center position.
4. Connect an oscilloscope to pin ⑪ (SPC OUT) of IC501.
5. Rotate RV502 and adjust Block T to 5.1 ±0.1 μs.



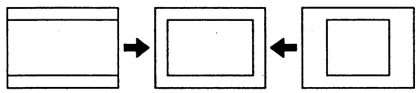

## 4-4. J1 BOARD ADJUSTMENTS



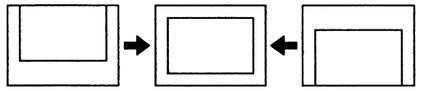

RV1508
H. CENT (HORIZONTAL CENTER)



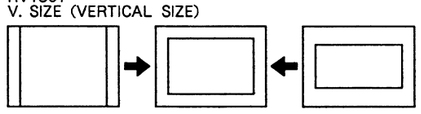
RV1504
H. SIZE (HORIZONTAL SIZE)



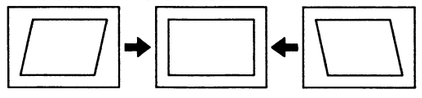
RV1506
V. CENT (VERTICAL CENTER)



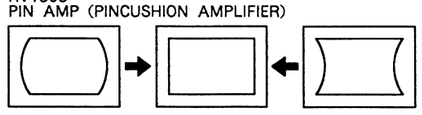
RV1507
V. SIZE (VERTICAL SIZE)



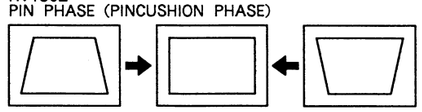
RV1509
V. ANGLE (VERTICAL ANGLE)



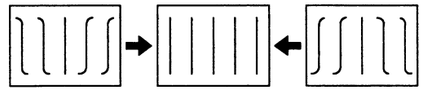
RV1503
PIN AMP (PINCUSHION AMPLIFIER)



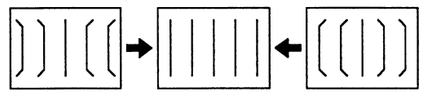
RV1502
PIN PHASE (PINCUSHION PHASE)



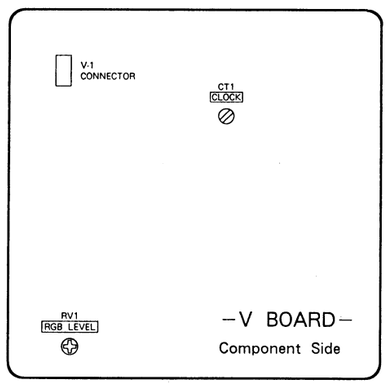
RV1501
PIN COR (PINCUSHION CORRECT)



RV1505
CORNER COR (CORNER CORRECT)



## 4-5. V BOARD ADJUSTMENTS




**Clock Adjustment (CT01)**

1. Disconnect the V-1 connector.
2. Set up the TELE TEXT mode.
3. Adjust CT01 to stop pictures from scrolling.

**RGB Level Adjustment (RV01)**

1. Set PICTURE to maximum.
2. Adjust RV01 till the RGB output becomes 0.65 V.

## 4-6. SUB ADJUSTMENTS

**SUB BRIGHTNESS Adjustment**

1. Receive and display a TEST COLOR BAR pattern.
2. Push →・← on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button. (SUB mode is invoked.)
5. Reduce the ◑CONTRAST to the minimum level.
6. Adjust the ☼BRIGHTNESS control until the 0 IRE of the gray scale becomes completely cut off, and the 20 IRE becomes barely luminous.
7. Push the AFT button. (SUB mode is cleared)

Where no TEST COLOR BAR pattern is available.

1. Display a COLOR BAR pattern.
2. Push →・← on the remote commander to invoke the normal state.
   Set the ✿COLOR to normal mode.

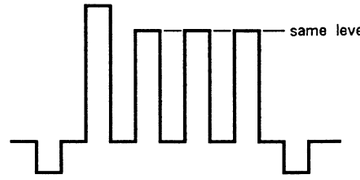
Steps 3 – 5 are the same as above.

6. 20 IRE is close to blue, so adjust the ☼BRIGHTNESS control till blue is faintly luminous.
7. Same as Step 7 above.
8. Push →・← on the remote commander to invoke the normal state.

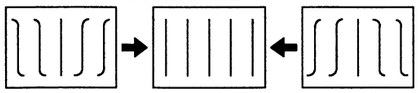
* When Step 4 is executed correctly, S (SUB mode) is displayed at the upper right of the display. As S is displayed only for 30 seconds, perform the adjustment within 30 seconds, or repeat from Step 4.

**SUB COLOR Adjustment**

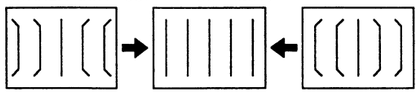
1. Display a COLOR BAR pattern.
2. Push →・← on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button. (SUB mode is invoked.)
5. Adjust the COLOR control until the B out (pin ② of CNC72 connector on C board) waveform becomes as shown below.
6. Push the AFT button. (SUB mode is cleared.)



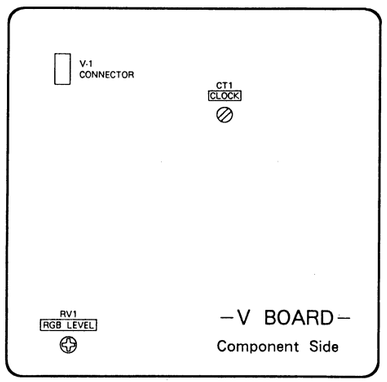
RV1501
PIN COR (PINCUSHION CORRECT)



RV1505
CORNER COR (CORNER CORRECT)



## 4−5. V BOARD ADJUSTMENTS




**Clock Adjustment (CT01)**

1. Disconnect the V-1 connector.
2. Set up the TELE TEXT mode.
3. Adjust CT01 to stop pictures from scrolling.

**RGB Level Adjustment (RV01)**

1. Set PICTURE to maximum.
2. Adjust RV01 till the RGB output becomes 0.65 V.

## 4−6. SUB ADJUSTMENTS

**SUB BRIGHTNESS Adjustment**

1. Receive and display a TEST COLOR BAR pattern.
2. Push →•← on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button. (SUB mode is invoked.)
5. Reduce the ◑CONTRAST to the minimum level.
6. Adjust the ☼BRIGHTNESS control until the 0 IRE of the gray scale becomes completely cut off, and the 20 IRE becomes barely luminous.
7. Push the AFT button. (SUB mode is cleared)

Where no TEST COLOR BAR pattern is available.

1. Display a COLOR BAR pattern.
2. Push →•← on the remote commander to invoke the normal state.
   Set the ✿COLOR to normal mode.

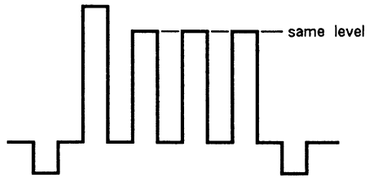
Steps 3 − 5 are the same as above.

6. 20 IRE is close to blue, so adjust the ☼BRIGHTNESS control till blue is faintly luminous.
7. Same as Step 7 above.
8. Push →•← on the remote commander to invoke the normal state.

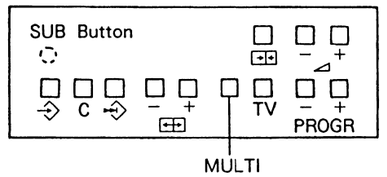
* When Step 4 is executed correctly, S (SUB mode) is displayed at the upper right of the display. As S is displayed only for 30 seconds, perform the adjustment within 30 seconds, or repeat from Step 4.

**SUB COLOR Adjustment**

1. Display a COLOR BAR pattern.
2. Push →•← on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button. (SUB mode is invoked.)
5. Adjust the COLOR control until the B out (pin ② of CNC72 connector on C board) waveform becomes as shown below.
6. Push the AFT button. (SUB mode is cleared.)

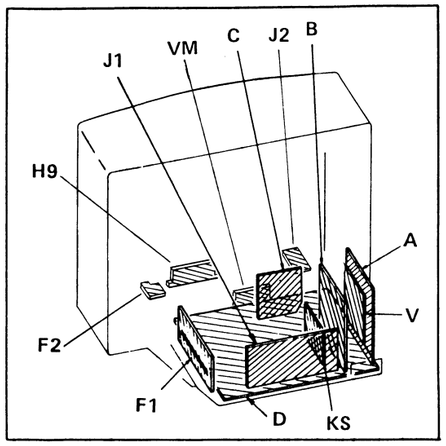



* When Step 4 is executed correctly, S (SUB mode) is displayed at the upper right of the display. As S (SUB mode) is displayed only for 30 seconds, perform the adjustment with 30 seconds, or repeat from Step 4.



# SECTION 5
# DIAGRAMS

## 5-1. CIRCUIT BOARDS LOCATION




**Note :**

- All capacitors are in μF unless otherwise noted. pF : μμF 50 WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

| Pitch : 5 mm |
|---|
| Rating electrical power 1/4W |

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10 MΩ digital multimeter.
- Readings are taken with a PAL color-bar signal input.
- : adjustment for repair.
- Voltage variations may be noted due to normal production tolerance.
- ——— : B+ bus.
- - - - : B− bus.
- ▒▒▒ : signal path.

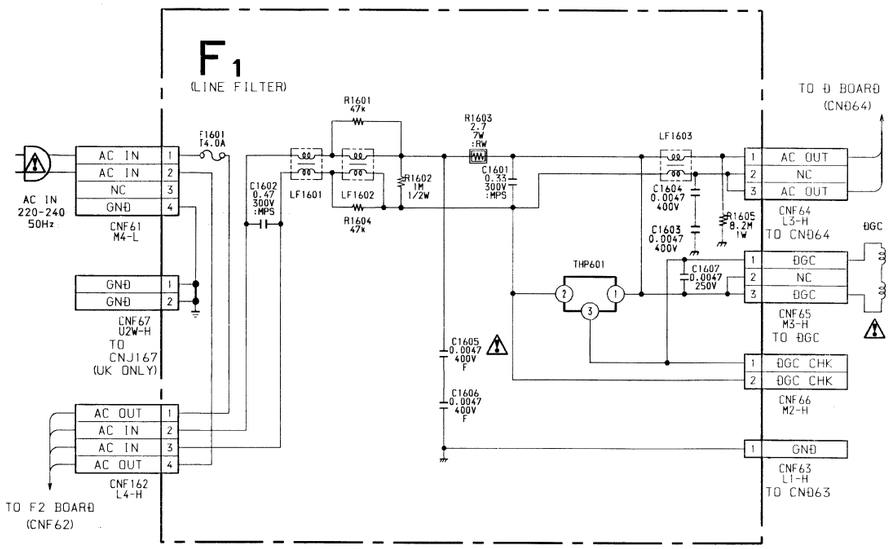
**Reference information**

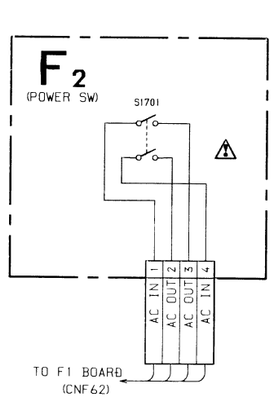
| | | |
|---|---|---|
| RESISTOR | : RN | METAL FILM |
| | : RC | SOLID |
| | : FPRD | NONFLAMMABLE CARBON |
| | : FUSE | NONFLAMMABLE FUSIBLE |
| | : RW | NONFLAMMABLE WIREWOUND |
| | : RS | NONFLAMMABLE METAL OXIDE |
| | : RB | NONFLAMMABLE CEMENT |
| COIL | : LF-8L | MICRO INDUCTOR |
| CAPACITOR | : TA | TANTALUM |
| | : PS | STYROL |
| | : PP | POLYPROPYLENE |
| | : PT | MYLAR |
| | : MPS | METALIZED POLYESTER |
| | : MPP | METALIZED POLYPROPYLENE |
| | : ALB | BIPOLAR |
| | : ALT | HIGH TEMPERATURE |
| | : ALR | HIGH RIPPLE |

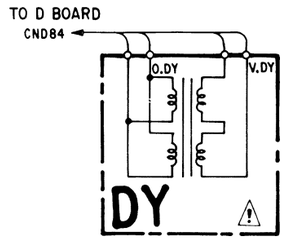
**Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.**



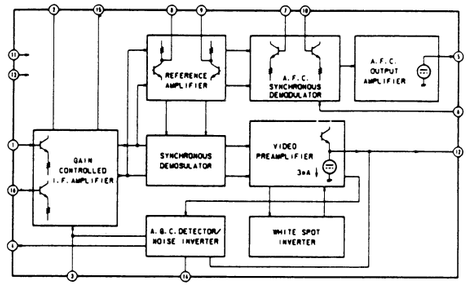




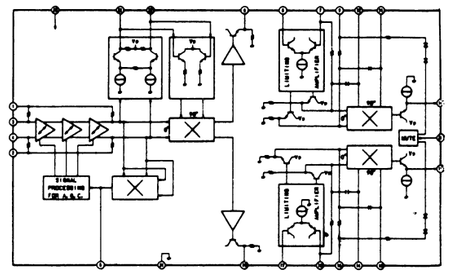



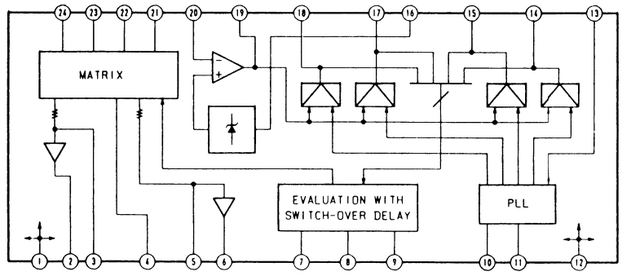

### A BOARD IC101 TDA3541



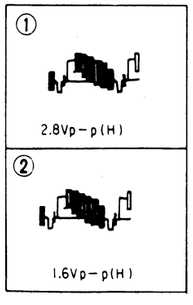

### A BOARD IC102 TDA2556



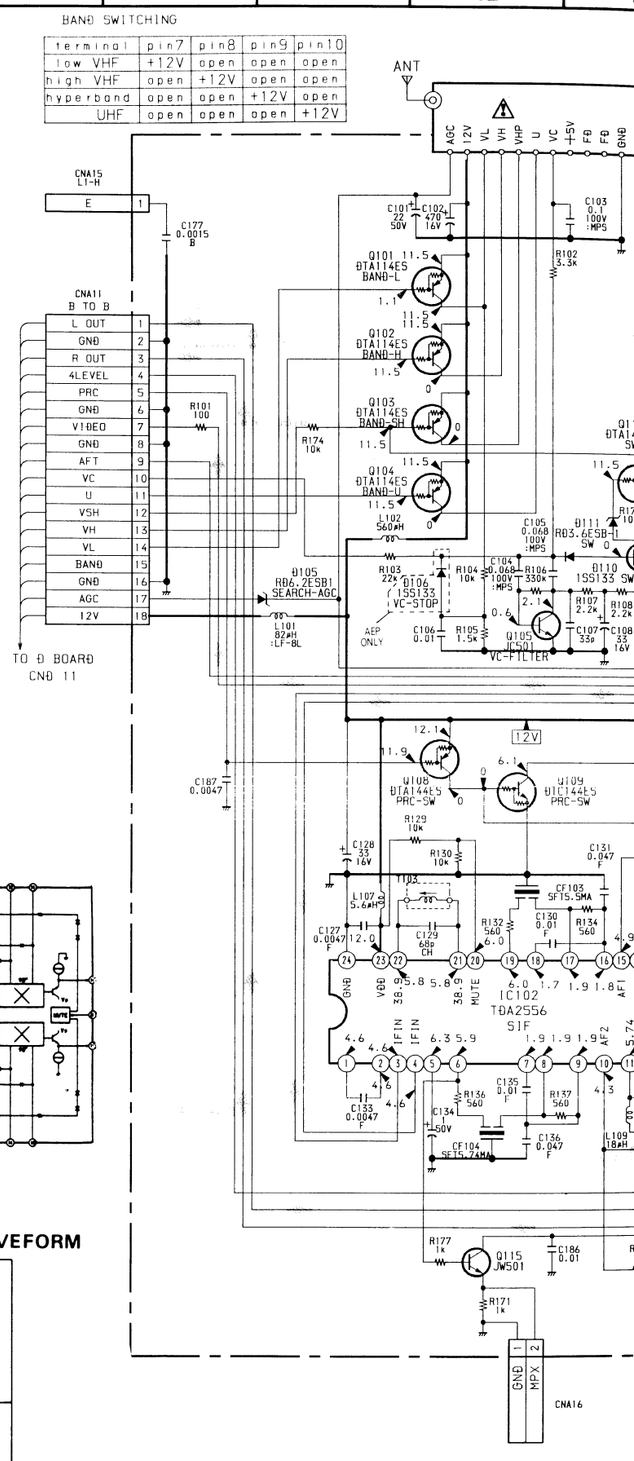
### A BOARD IC103 TDA6600




### • A BOARD WAVEFORM





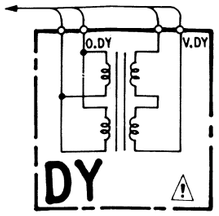


BAND SWITCHING
terminal | pin7 | pin8 | pin9 | pin10
low VHF | +12V | open | open | open
high VHF | open | +12V | open | open
hyperband | open | open | +12V | open
UHF | open | open | open | +12V
ANT
CNA15 L1-H
CNA11 B TO B
TO B BOARD CN0 11
IC101 VC-FILTER
IC102 TDA2556 SIF
CNA16
GND
MPX

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

BAND SWITCHING

| terminal | pin7 | pin8 | pin9 | pin10 |
|---|---|---|---|---|
| low VHF | +12V | open | open | open |
| high VHF | open | +12V | open | open |
| hyperband | open | open | +12V | open |
| UHF | open | open | open | +12V |

TO D BOARD CND84




TO D BOARD (CND64)

CNF64 L3-H TO CND64

CNF65 M3-H TO DGC

CNF66 M2-H

CNF63 L1-H TO CND63

TO D BOARD CND 11

ANT

TU101 UV615S

AGC 12V VL VH VHP U VC +5V FB FB GND IF IF

CNA15 L1-H

CNA11 B TO B

| | |
|---|---|
| L OUT | 1 |
| GND | 2 |
| R OUT | 3 |
| 4LEVEL | 4 |
| PRC | 5 |
| GND | 6 |
| VIDEO | 7 |
| GND | 8 |
| AFT | 9 |
| VC | 10 |
| U | 11 |
| VSH | 12 |
| VH | 13 |
| VL | 14 |
| BAND | 15 |
| GND | 16 |
| AGC | 17 |
| 12V | 18 |

IC101 TDA3541 VIF

IC102 TDA2556 SIF

IC103 TDA6600-2 SIF-FM/D

IC104 TDA2595 SYNC-SEP

SWF101

T101

T102

CF101 TRAP 5.5MHz

CF103 SFT5.5MA

CF104 SFE5.74MA

CD102 4.5MHz

CD103 5.74MHz

SEPARATION

H FREQ

SEARCH-AGC

VC-STOP

VC-FILTER

TV AGC

AFP ONLY

Q101 DTA114ES BAND-L

Q102 DTA114ES BAND-H

Q103 DTA114ES BAND-SH

Q104 DTA114ES BAND-U

Q105 JC501 VC-FILTER

Q106 1SS133 VC-STOP

Q107 JA101 BUFF-AMP

Q108 DTA144ES PRC-SW

Q109 DTC144ES PRC-SW

Q110 JA101 SYSTEM-SW

Q111 DTC144ES MONO-SW

Q112 JC501 AF-BUFF-L

Q113 JC501 AF-BUFF-R

Q115 JW501

Q116 DTA144ES SW

Q117 JA101 SW

Q120 DTC144ES

Q106 JC501 BUFF-AMP

D105 RD6.2ESB1 SEARCH-AGC

D108 MC921 SYSTEM-SW

D110 1SS133 SW

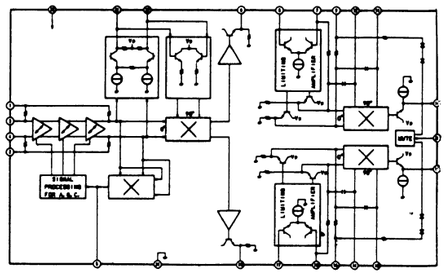
D111 RD3.6ESB-T1 SW

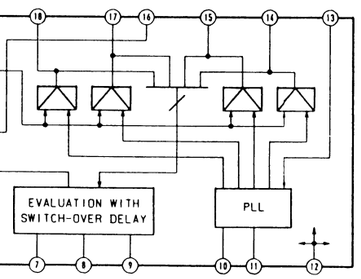
CNA16 GND MPX

CNA17 12V L 4L R GND R1 4L1 L1 MUTE

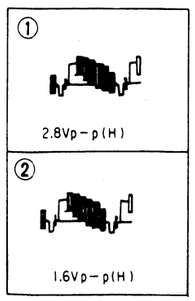
A (SIGNAL.TUNER BAND SW)

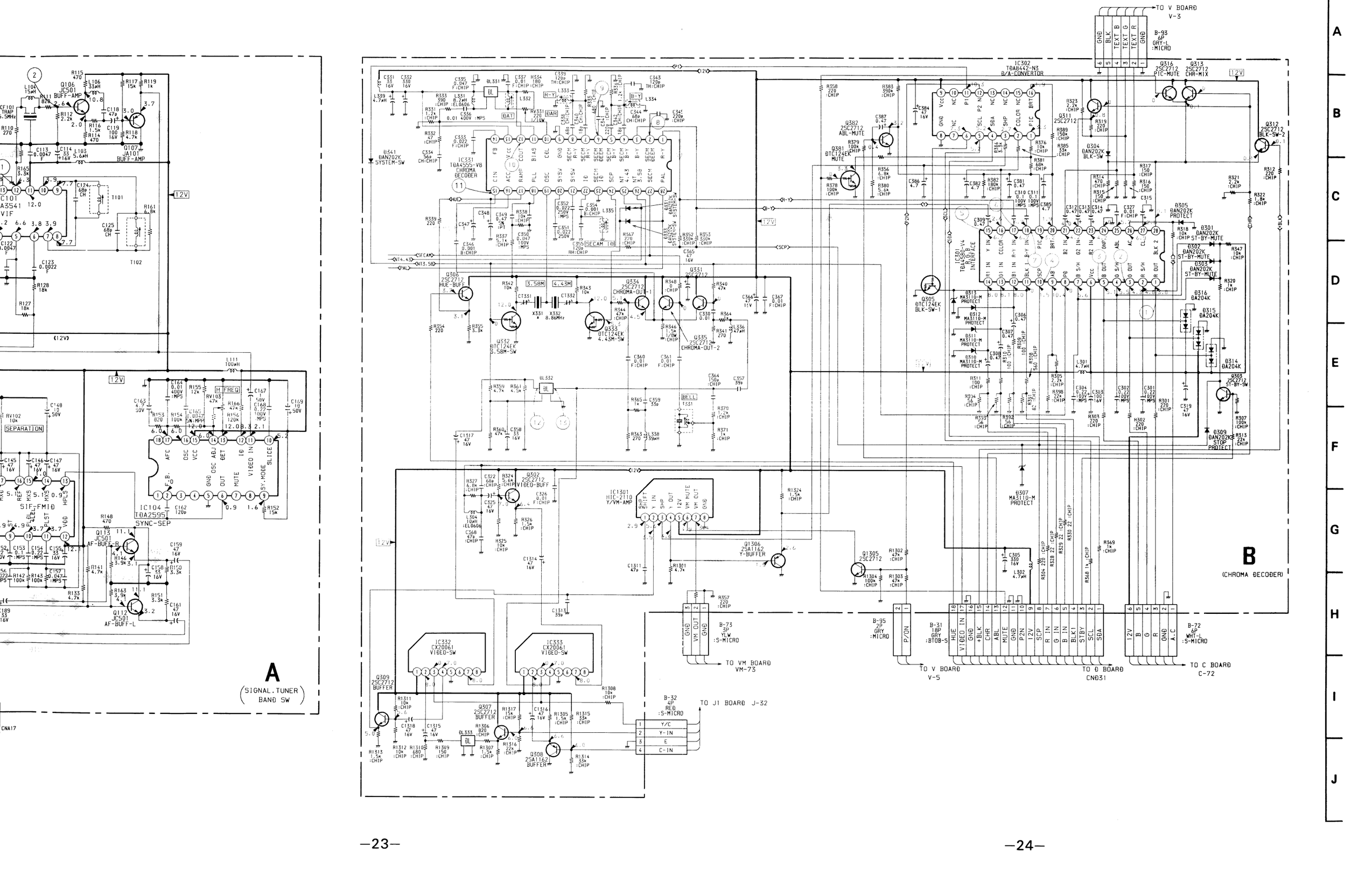
## A BOARD IC102 TDA2556



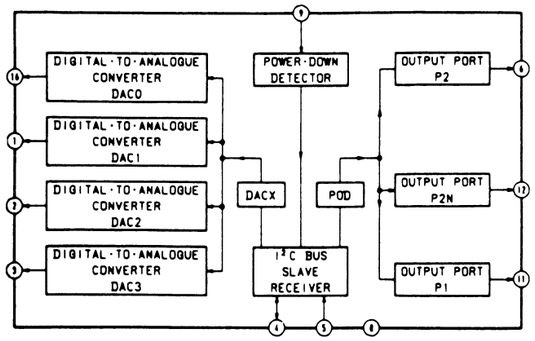




## • A BOARD WAVEFORM

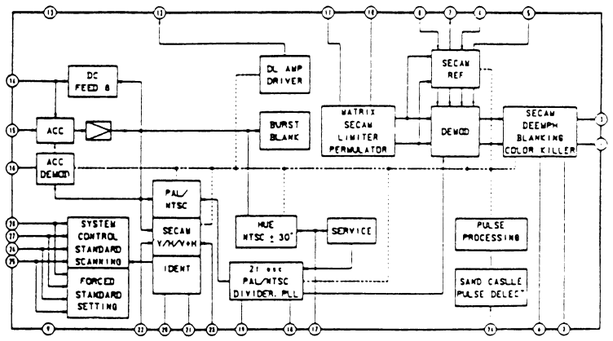



A
(SIGNAL.TUNER BAND SW)
B
(CHROMA DECODER)
IC104 T0A2595 SYNC-SEP
IC331 TDA4555-V8 CHROMA DECODER
IC332 CX20061 VIDEO-SW
IC333 CX20061 VIDEO-SW
IC1301 HIC-2110 Y/VM-AMP
IC1302 TDA8442-N3 D/A-CONVERTOR
IC1501 TDA4580-V4 R-G-B INTERFACE
U341 BAN202K SYSTEM-SW
Q106 JC501 BUFF-AMP
Q107 JA101 BUFF-AMP
Q113 JC501 AF-BUFF-R
Q112 JC501 AF-BUFF-L
Q306 2SC2712 HUE-BUFF
Q332 DTC124EK 4.43M-SW
Q352 DTC124EK 3.58M-SW
Q334 2SC2712 CHROMA-OUT-1
Q335 2SC2712 CHROMA-OUT-2
Q331 2SC2712
Q302 2SC2712 VIDEO-BUFF
Q309 2SC2712 BUFFER
Q307 2SC2712 BUFFER
Q308 2SA1162 BUFFER
Q1306 2SA1162 Y-BUFFER
Q1305 2SC2712
Q382 2SC2712 ABL-MUTE
Q381 DTC124EK MUTE
Q305 DTC124EK BLK-SW-1
Q316 2SC2712 PIC-MUTE
Q313 2SC2712 CHR-MIX
Q312 2SC2712 BLK-SW-2
Q304 BAN202K BLK-SW
Q305 BAN202K PROTECT
Q301 BAN202K ST-BY-MUTE
Q302 BAN202K ST-BY-MUTE
Q303 BAN202K ST-BY-MUTE
Q316 DA204K
Q315 DA204K
Q314 DA204K
Q303 2SC2712 ST-BY-SW
Q309 BAN202K STOP PROTECT
H307 MA3110-M PROTECT
H311 MA3110-M PROTECT
H312 MA3110-M PROTECT
H313 MA3110-M PROTECT
H310 MA3110-M PROTECT
TO V BOARD V-3
B-93 6P GRY-L :MICRO
TO VM BOARD VM-73
B-73 3P YLW :S-MICRO
TO V BOARD V-5
B-95 2P GRY :MICRO
TO Θ BOARD CN031
B-31 18P GRY :BT0B-S
TO C BOARD C-72
B-72 6P WHT-L :S-MICRO
TO J1 BOARD J-32
B-32 4P RED :S-MICRO
SEPARATION
SIF-FMID
H FREQ
12V
(12V)
3.58M
4.43M
SECAM
PAL
NT4.43
NT3.58
BAT
BL
BELL
CNA17

## B BOARD IC302 TDA8442

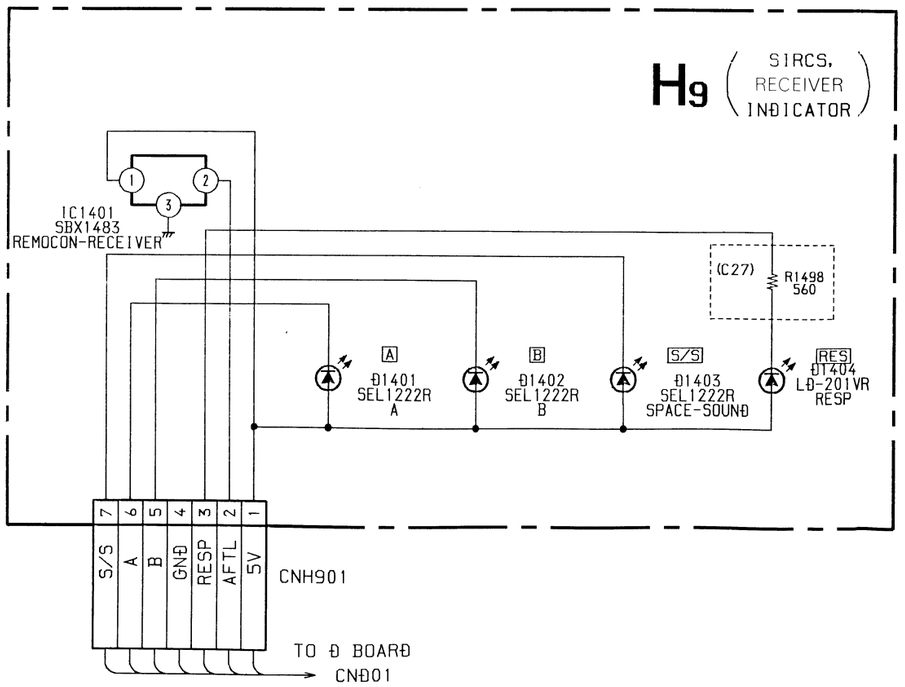



## B BOARD IC331 TDA4555



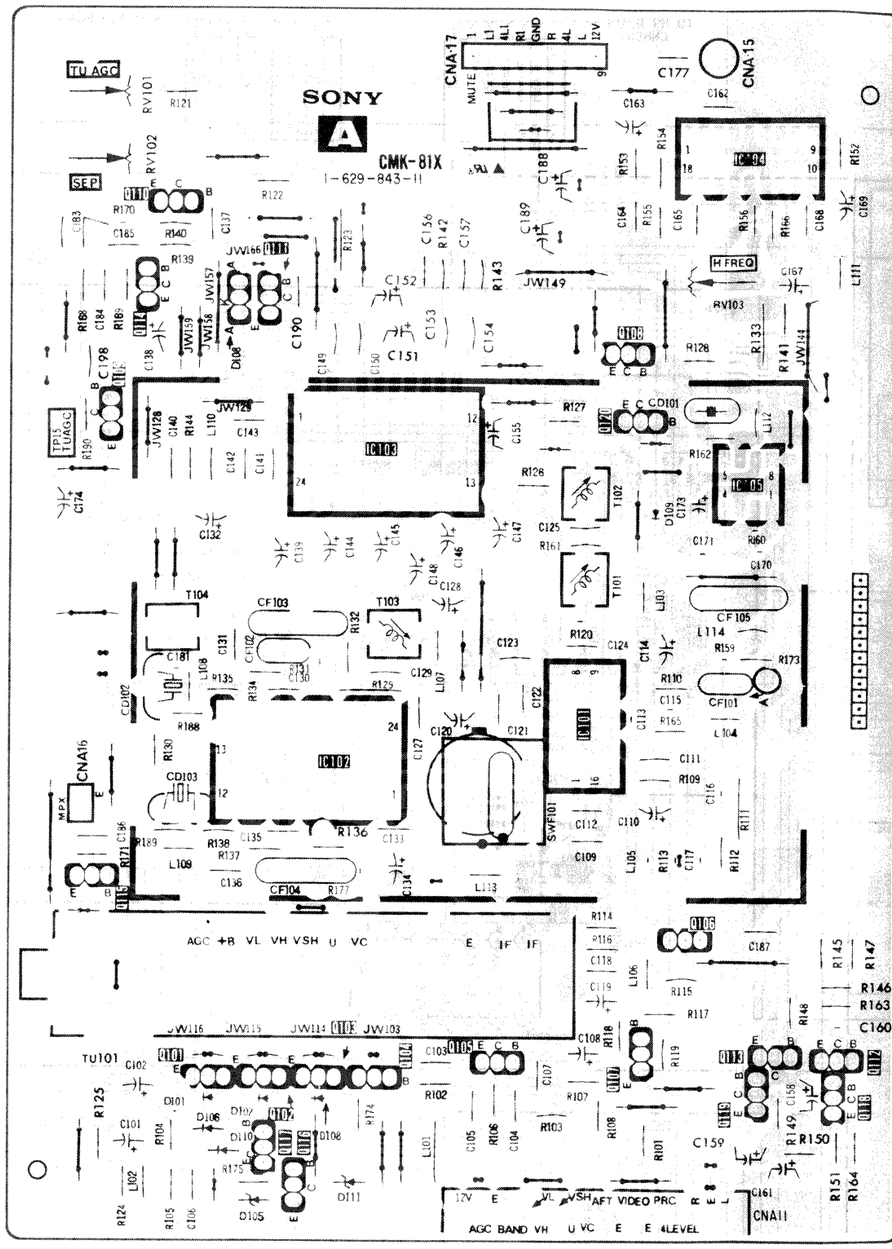

## ● B BOARD WAVEFORM

| | | | |
|---|---|---|---|
| ① 6Vp-p(H) | ⑤ 0.4Vp-p(H) | ⑨ 1.2Vp-p(H) | ⑬ 1Vp-p(H) |
| ② 6Vp-p(H) | ⑥ 0.9Vp-p(H) | ⑩ 1.5Vp-p(H) | |
| ③ 6Vp-p(H) | ⑦ 1.5Vp-p(H) | ⑪ 0.16Vp-p(H) | |
| ④ 10.5Vp-p(H) | ⑧ 0.9Vp-p(H) | ⑫ 0.4Vp-p(H) | |

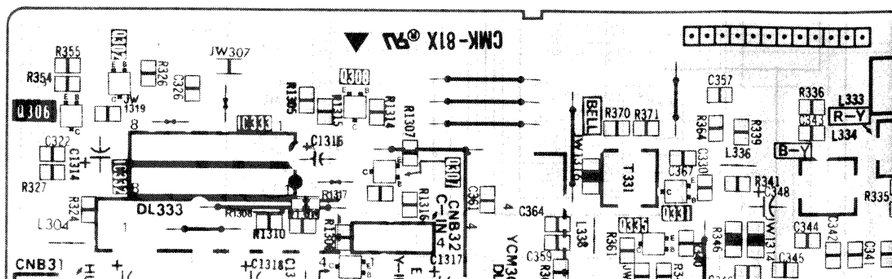



## 5-3. PRINTED WIRING BOARDS

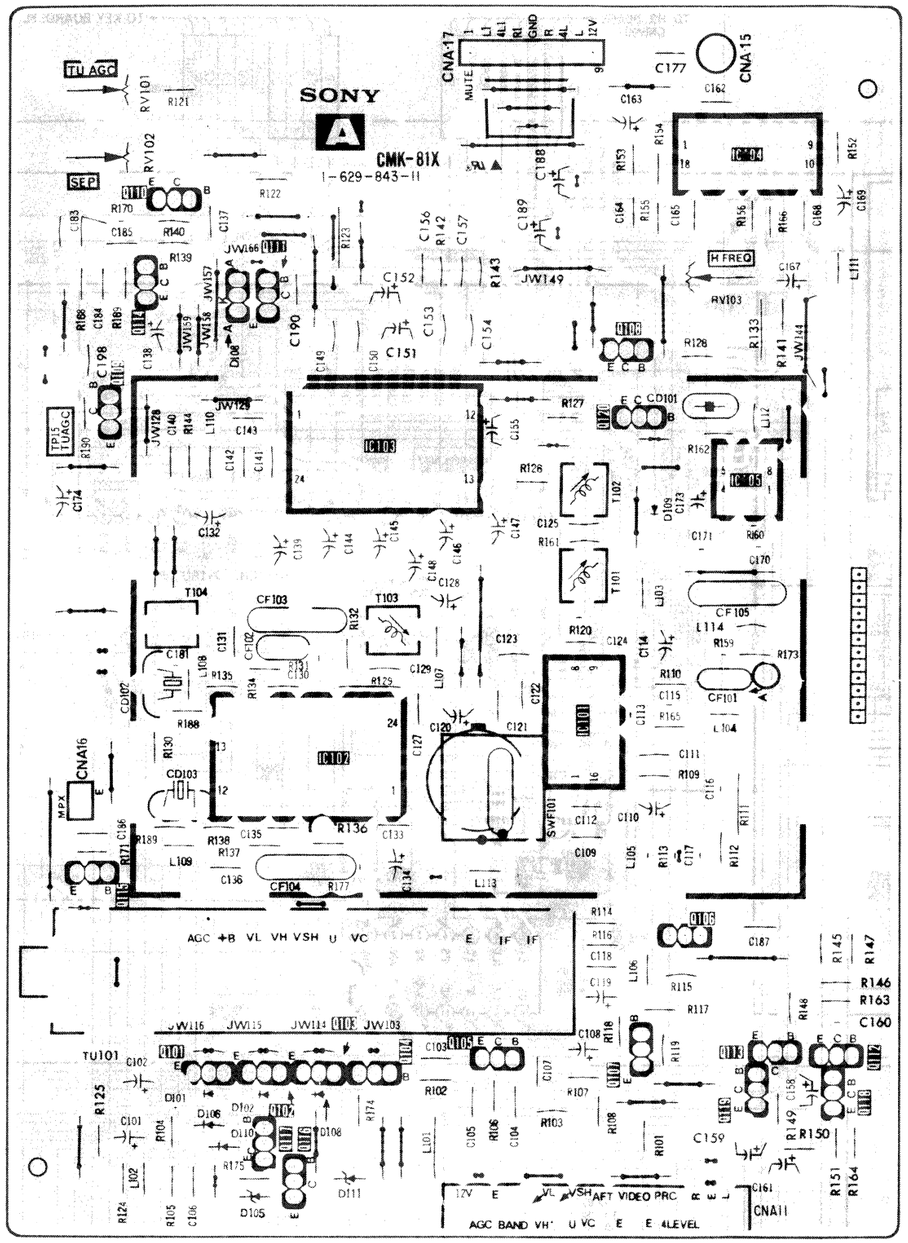
— A Board —



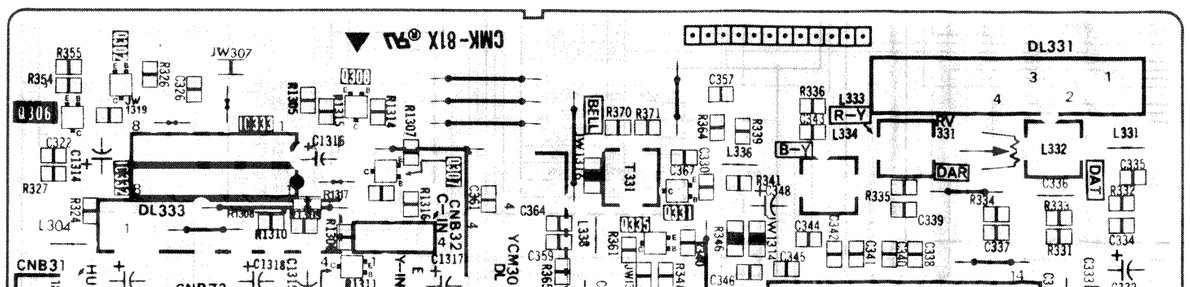

— B Board —



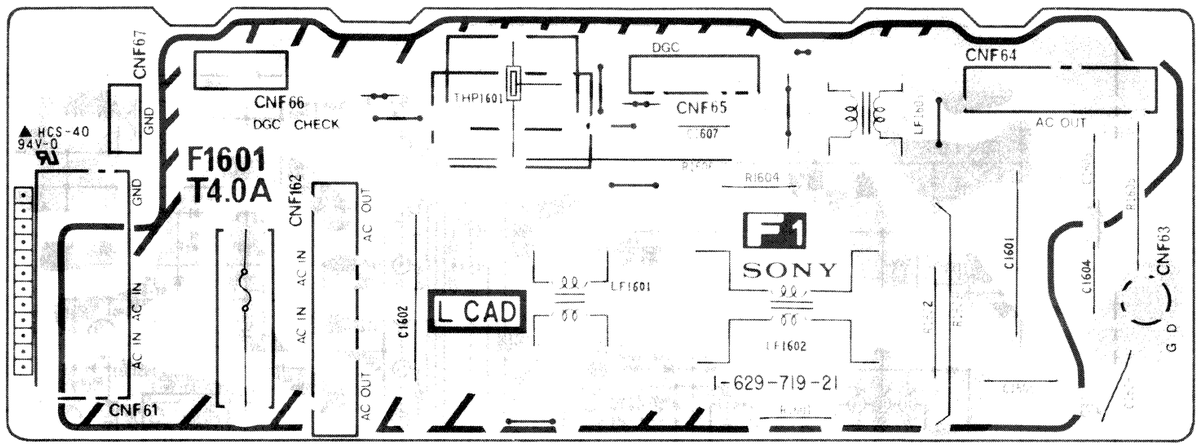
— A Board —



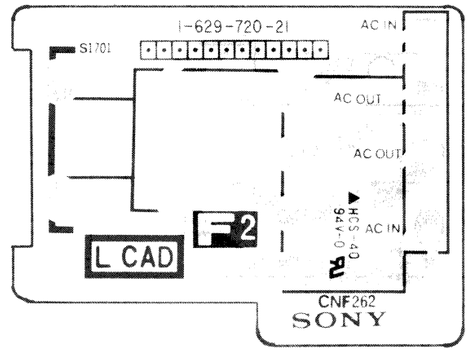

— B Board —



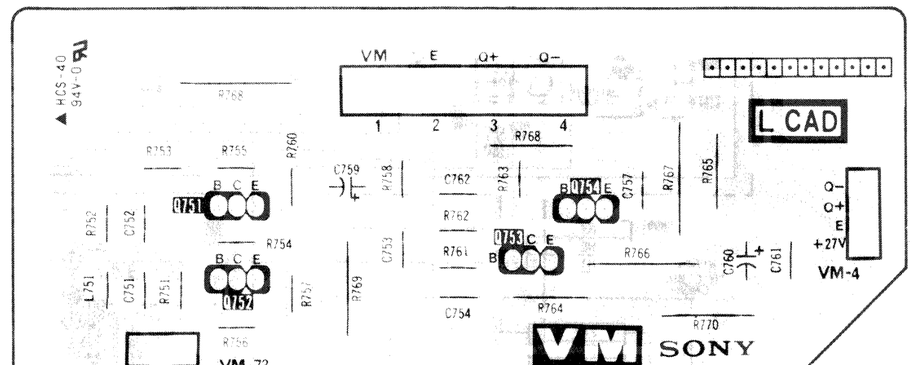

— F1 Board —

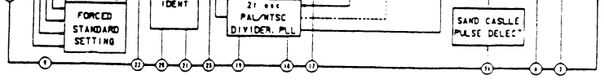


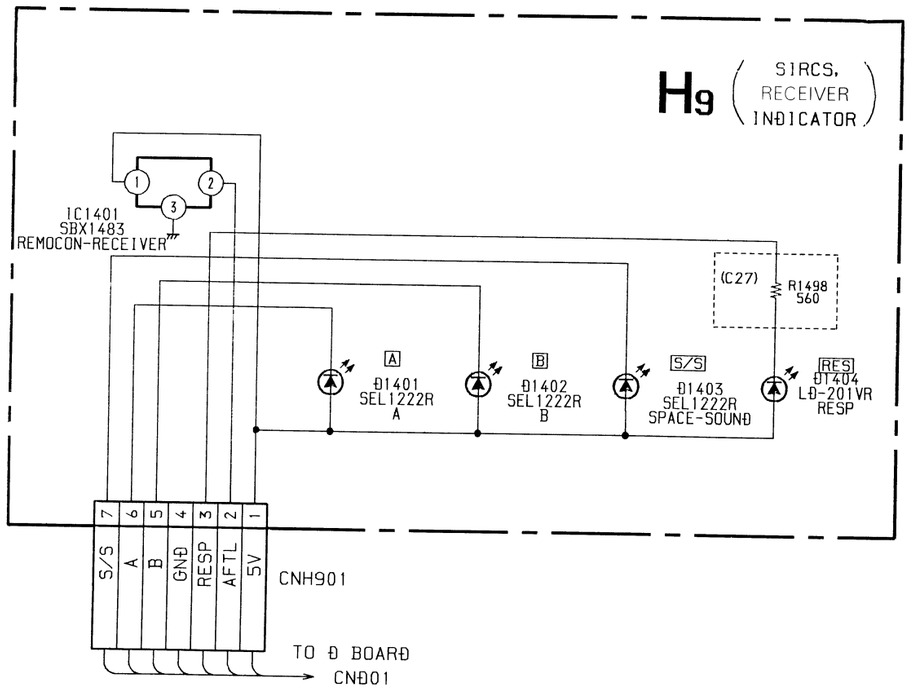

— F2 Board —

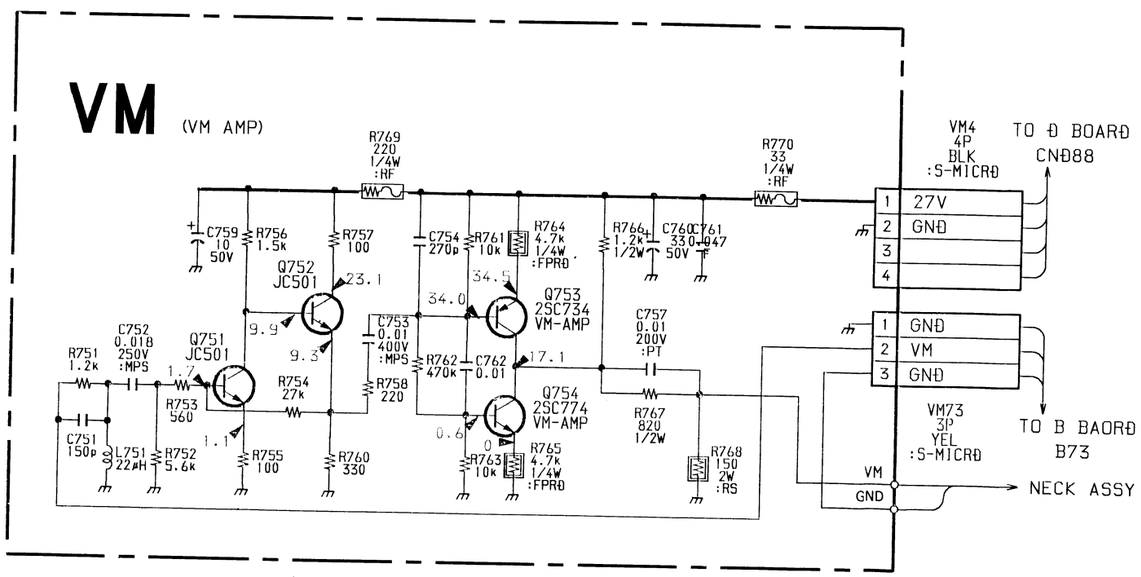



— VM Board —

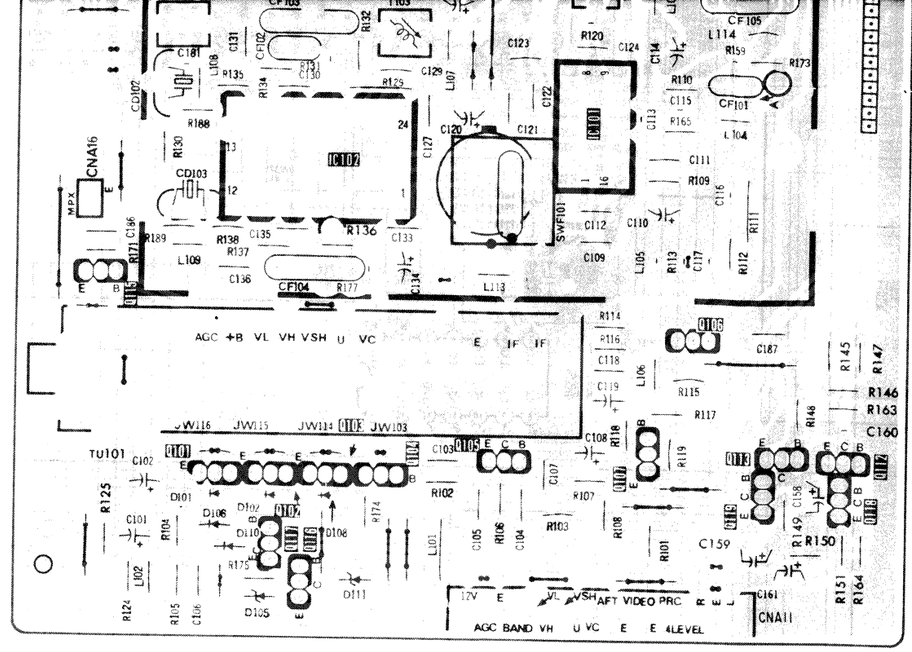



FORCED STANDARD SETTING
IDENT
27 MHz PAL/NTSC DIVIDER PLL
SAND CASLLE PULSE DELEC

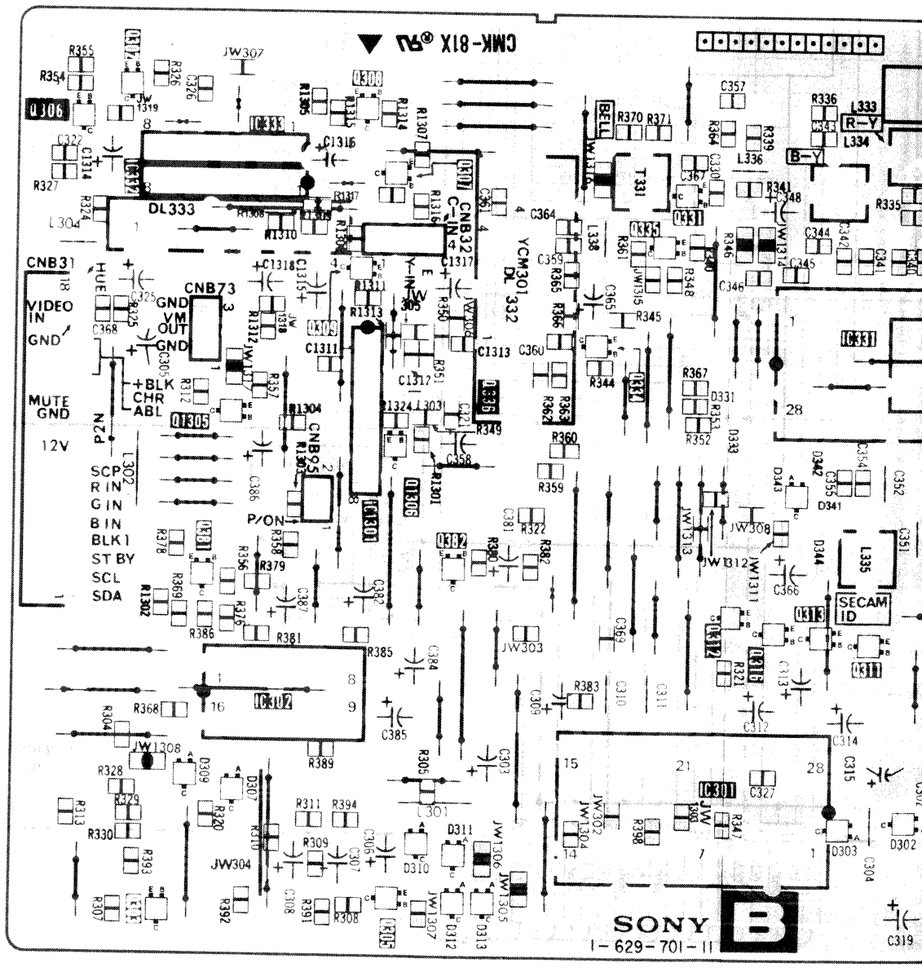

H9 ( SIRCS, RECEIVER INDICATOR )
IC1401
SBX1483
REMOCON-RECEIVER
(C27)
R1498
560
A
Đ1401
SEL1222R
A
B
Đ1402
SEL1222R
B
S/S
Đ1403
SEL1222R
SPACE-SOUND
RES
ĐT404
LĐ-201VR
RESP
S/S
A
B
GNĐ
RESP
AFTL
5V
CNH901
TO Đ BOARĐ
CNĐ01

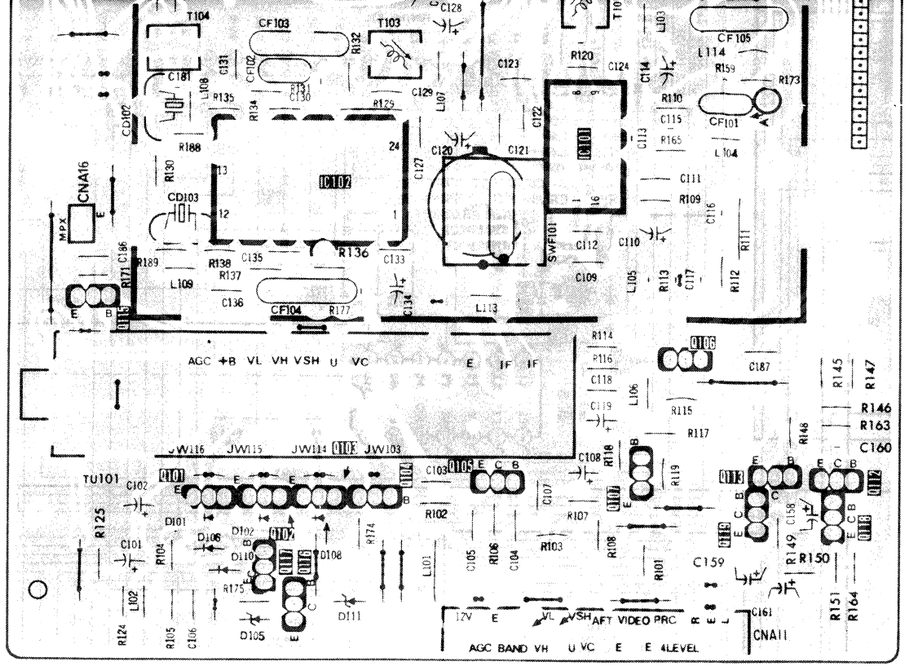

VM (VM AMP)
R769
220
1/4W
:RF
R770
33
1/4W
:RF
VM4
4P
BLK
:S-MICRĐ
TO Đ BOARĐ
CNĐ88
27V
GNĐ
C759
10
50V
R756
1.5k
R757
100
Q752
JC501
23.1
9.9
9.3
C754
270p
R761
10k
R764
4.7k
1/4W
:FPRĐ
Q753
2SC734
VM-AMP
34.0
34.5
R766
1.2k
1/2W
C760
330
C761
.047
50V
C757
0.01
200V
:PT
C752
0.018
250V
:MPS
Q751
JC501
1.7
R751
1.2k
R753
560
R754
27k
C753
0.01
400V
:MPS
R762
470k
C762
0.01
17.1
R758
220
Q754
2SC774
VM-AMP
0.6
0
1.1
C751
150p
L751
22μH
R752
5.6k
R755
100
R760
330
R763
10k
R765
4.7k
1/4W
:FPRĐ
R767
820
1/2W
R768
150
2W
:RS
VM73
3P
YEL
:S-MICRĐ
TO B BAORĐ
B73
VM
GND
NECK ASSY



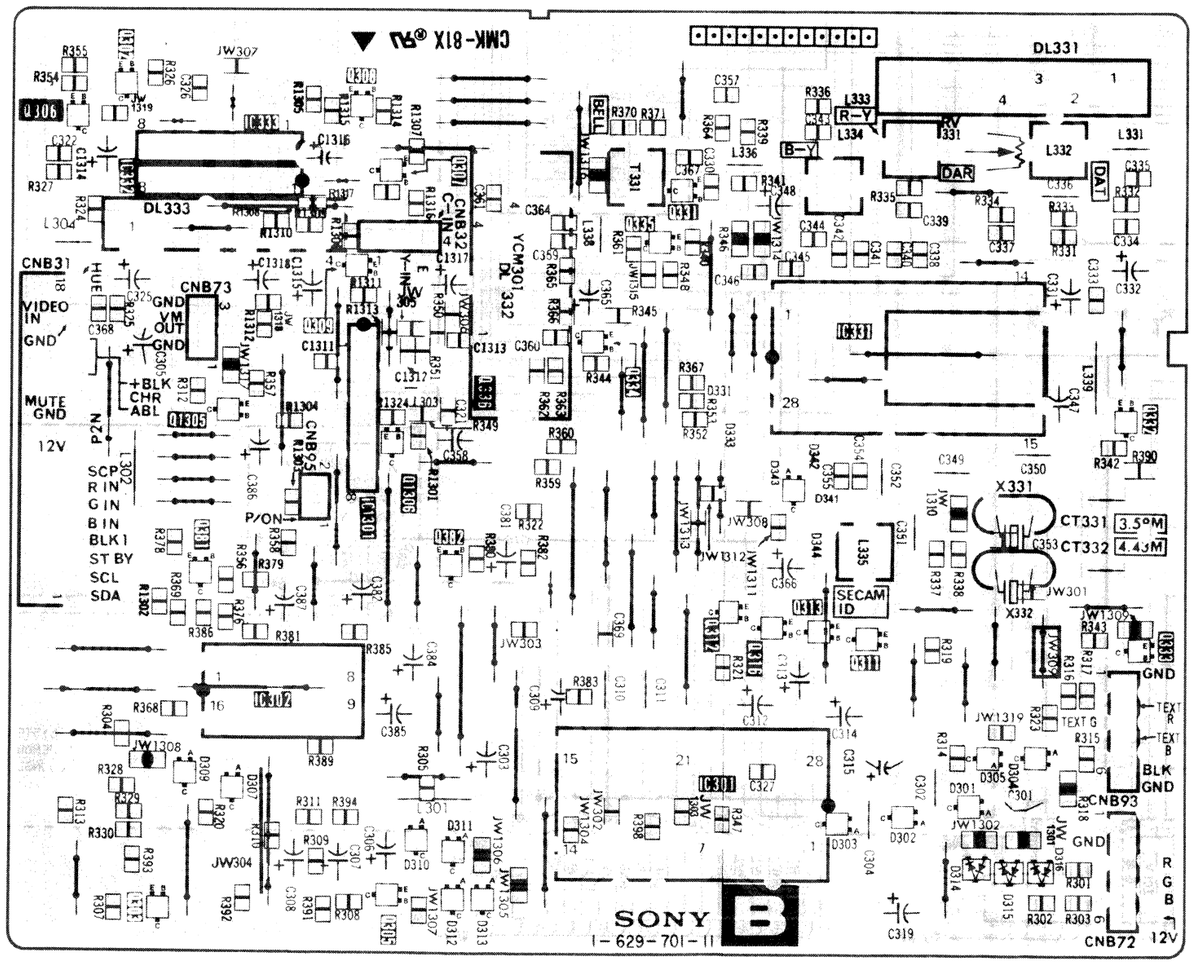

IC102
CNA16
CD103
SWF101
TU101
CF101
CF104
CF105
AGC +B VL VH VSH U VC
E IF IF
AGC BAND VH U VC E E 4LEVEL
AFT VIDEO PRC
CNA11

— B Board —


CMK-81X
DL333
YCM301
DL 332
CNB31
CNB73
CNB32
CNB95
VIDEO IN
GND
MUTE
12V
SCP
RIN
GIN
BIN
BLK
STBY
SCL
SDA
+BLK
CHR
ABL
P/ON
SECAM ID
SONY B
1-629-701-11

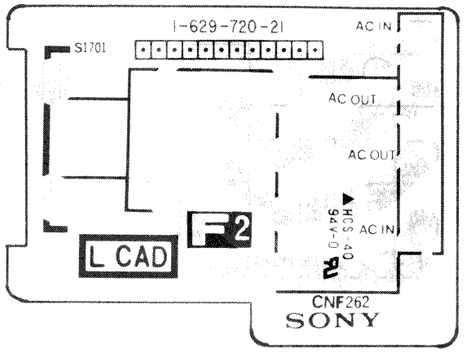



**– B Board –**

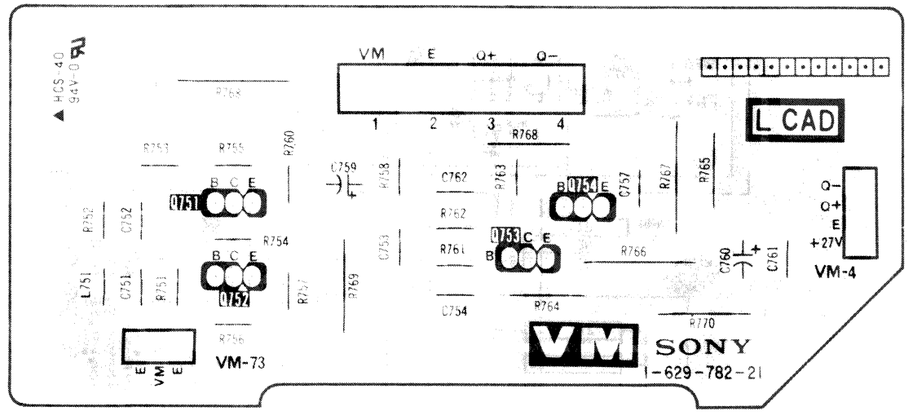




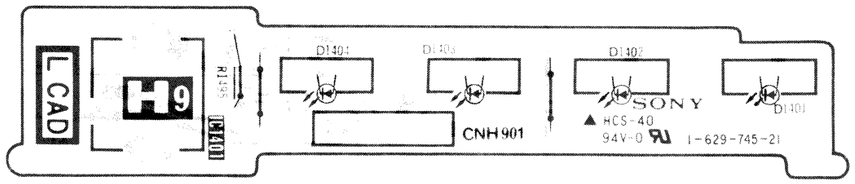

**– F2 Board –**

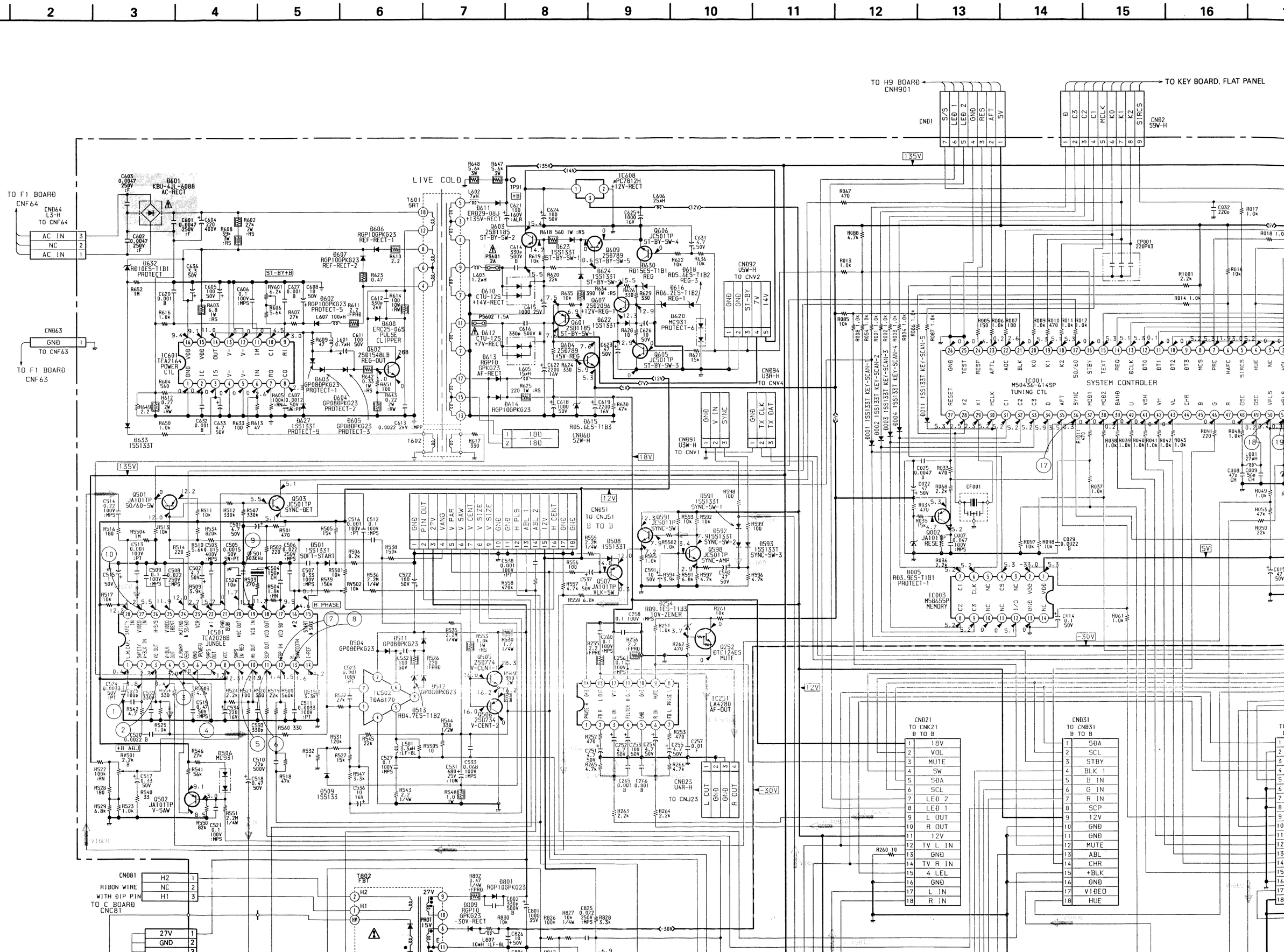


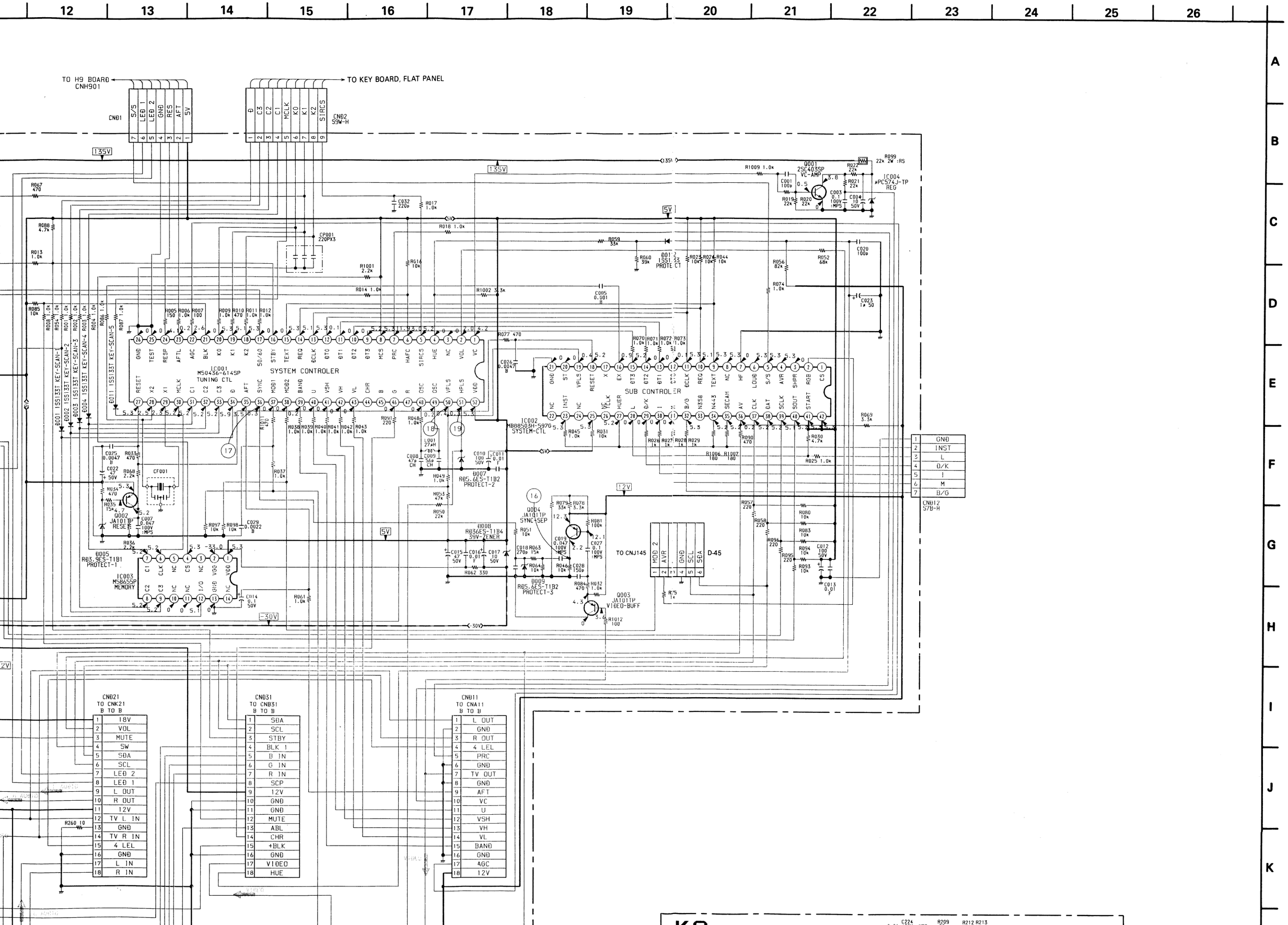

**– VM Board –**

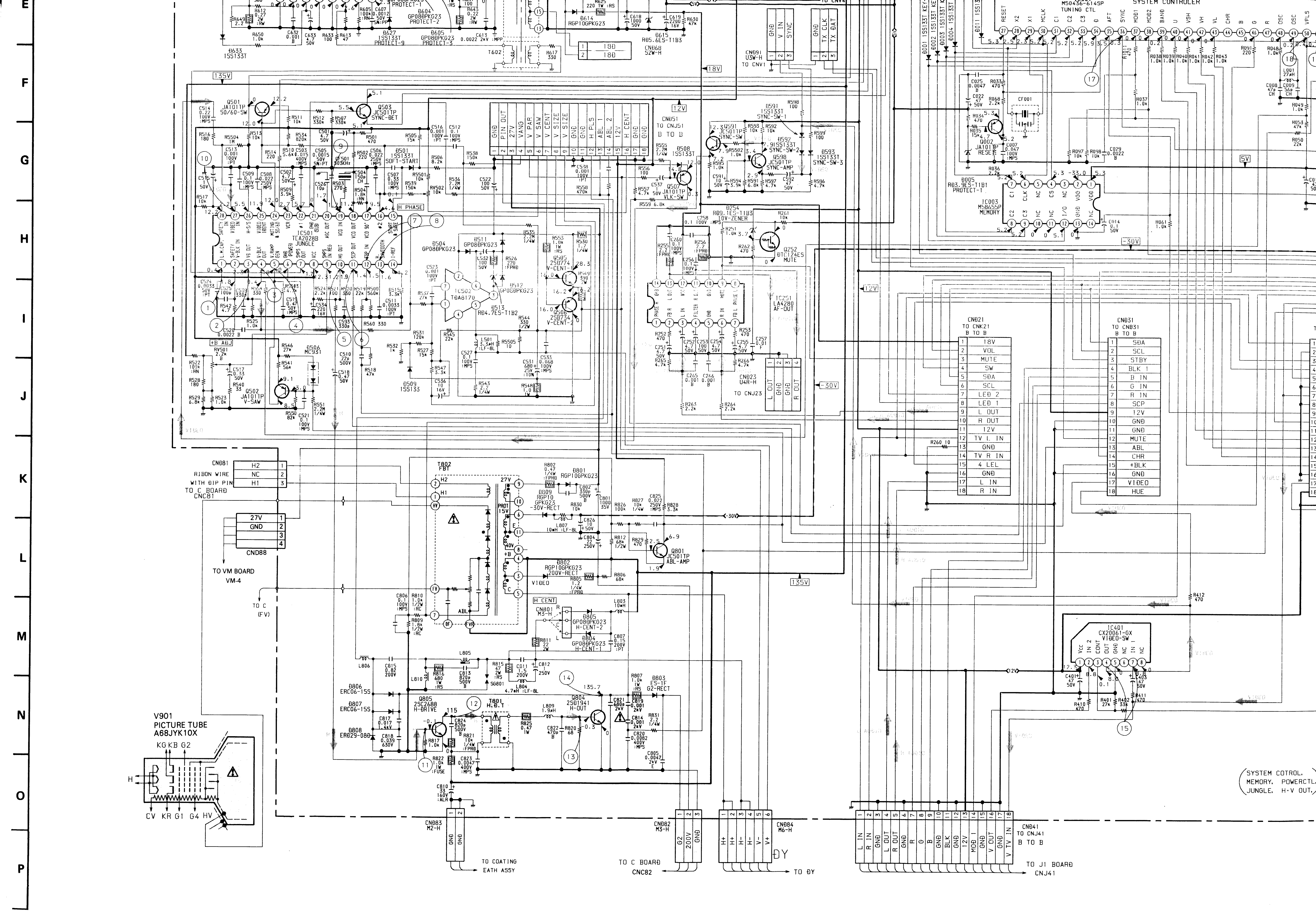



**– H9 Board –**




TO F1 BOARD CNF64
CN064 L3-H TO CNF64
AC IN 3
NC 2
AC IN 1
CN063
GND 1
TO CNF63
TO F1 BOARD CNF63
D601 KBU-4JL-6088 AC-RECT
LIVE COLD
T601 SRT
TP91
+B
IC608 PC7812H +12V-RECT
IC601 TEA2164 POWER CTL
D632 RD10ES-T1B1 PROTECT
D633 1SS1331
D607 RGP10GPKG23 REF-RECT-2
D606 RGP10GPKG23 REF-RECT-1
D602 RGP10GPKG23 PROTECT-5
D608 ERC25-06S PULSE CLIPPER
Q602 2SD154BLB REG-OUT
D603 GP08BPKG23 PROTECT-1
D604 GP08BPKG23 PROTECT-2
D605 GP08BPKG23 PROTECT-3
D627 1SS133T PROTECT-9
D611 ERB29-08J +135V-RECT
D610 CTU-12S +14V-RECT
D612 CTU-12S +7V-REC
D613 RGP10 GPKG23 AF-RECT
D614 RGP10GPKG23
D615 RD5.6ES-T1B3
Q603 2SB1185 ST-BY-SW-2
Q604 2SD789 +5V-REG
Q605 JC501TP ST-BY-SW-3
Q606 JC501TP ST-BY-SW-4
Q607 2SD2096 +12V-REG-6
Q609 2SD789 ST-BY-SW-5
Q601 2SB1185 ST-BY-SW-1
D623 1SS1331 ST-BY-SW-1
D624 1SS1331 ST-BY-SW-2
D622 1SS1331
D630 RD15ES-T1B1 REG
D618 RD5.6ES-T1B2 REG-3
D616 RD6.2ES-T1B2 REG-1
D620 MC931 PROTECT-6
CN092 U5W-H TO CNV2
CN094 U3R-H TO CN4
CN091 U3W-H TO CNV1
CN068 S2W-H
TO H9 BOARD CNH901
CN01 S/S LED 1 LED 2 GND RES AFT 5V
TO KEY BOARD, FLAT PANEL
CN02 S9W-H Θ C3 C2 C1 MCLK K0 K1 K2 SIRCS
IC001 M50436-614SP TUNING CTL
SYSTEM CONTROLER
IC003 M58655P MEMORY
D005 RD3.9ES-T1B1 PROTECT-1
IC251 LA4280 AF-OUT
Q252 DTC124ES MUTE
D254 RD9.1ES-T1B3 10V-ZENER
IC501 TCA2028B JUNGLE
IC502 T0A8170
Q501 JA1011P 50/60-SW
Q502 JA1011P V-SAW
Q503 JC501TP SYNC-DET
Q507 JA1011P VLK-SW
Q591 JC501TP SYNC-SW
Q597 1SS133T SYNC-SW-2
Q598 JC501TP SYNC-AMP
D591 1SS133T SYNC-SW-1
D593 1SS133T SYNC-SW-3
D508 1SS133T
D501 1SS133T SOFT-START
D504 GP08DPKG23
D505 2SD734 V-CENT-1
D513 RD4.7ES-T1B2
Q505 2SD734 V-CENT-2
D506 MC931
D509 1SS133
H PHASE
+B ADJ
CN051 TO CNJ51 B TO B
CN021 TO CNK21 B TO B
CN031 TO CNB31 B TO B
CN023 U4R-H TO CNJ23
CN081 H2 H1 NC
RIBON WIRE WITH OIP PIN
TO C BOARD CNC81
27V GND
T802 FBT
D801 RGP10GPKG23
D809 RGP10 GPKG23 -30V-RECT
PROT 15V
135V
14V
12V
18V
5V
-30V
ST-BY+B


TO H9 BOARD
CNH901
CN001
S/S
LED 1
LED 2
GND
RES
AFT
5V
TO KEY BOARD, FLAT PANEL
CN002
S9W-H
B
C3
C2
C1
MCLK
KO
K1
K2
STRCS
135V
5V
12V
-30V
IC001
M50436-6145P
TUNING CTL
SYSTEM CONTROLER
IC002
MB88503H-5976
SYSTEM-CTL
SUB CONTROLER
IC003
M58655P
MEMORY
IC004
μPC574J-TP
REG
Q001
2SC403SP
VC-AMP
Q002
JA101TP
RESET
Q003
JA101TP
VIDEO-BUFF
Q004
JA101TP
SYNC-SEP
D001 1SS133T KEY-SCAN-1
D002 1SS133T KEY-SCAN-2
D003 1SS133T KEY-SCAN-3
D004 1SS133T KEY-SCAN-4
D005
RD3.9ES-T1B1
PROTECT-1
D007
RD5.6ES-T1B2
PROTECT-2
D008
RD36ES-T1B4
39V-ZENER
D009
RD5.6ES-T1B2
PROTECT-3
D012
1SS133
PROTECT
TO CNJ145
D-45
CN021
TO CNK21
B TO B
CN031
TO CNB31
B TO B
CN011
TO CNA11
B TO B
CN012
S7B-H
1 GND
2 INST
3 L
4 D/K
5 I
6 M
7 B/G
CN021
1 18V
2 VOL
3 MUTE
4 SW
5 SDA
6 SCL
7 LED 2
8 LED 1
9 L OUT
10 R OUT
11 12V
12 TV L IN
13 GND
14 TV R IN
15 4 LEL
16 GND
17 L IN
18 R IN
CN031
1 SDA
2 SCL
3 STBY
4 BLK 1
5 B IN
6 G IN
7 R IN
8 SCP
9 12V
10 GND
11 GND
12 MUTE
13 ABL
14 CHR
15 +BLK
16 GND
17 VIDEO
18 HUE
CN011
1 L OUT
2 GND
3 R OUT
4 4 LEL
5 PRC
6 GND
7 TV OUT
8 GND
9 AFT
10 VC
11 U
12 VSH
13 VH
14 VL
15 BAND
16 GND
17 AGC
18 12V


IC501
TEA2028B
JUNGLE
IC502
TDA8170
IC251
LA4280
AF-OUT
IC003
M58655P
MEMORY
M50436-614SP
TUNING CTL
SYSTEM CONTROLER
IC401
CX20061-GX
VIDEO-SW
Q501 JA101TP 50/60-SW
Q503 JC501TP SYNC-DET
Q502 JA101TP V-SAW
Q505 2SD774 V-CENT-1
Q506 2SB734 V-CENT-2
Q507 JA101TP VLK-SW
Q591 JC501TP SYNC-SW
Q598 JC501TP SYNC-AMP
Q252 DTC124ES MUTE
Q002 JA101TP RESET
Q801 JC501TP ABL-AMP
Q804 2SD1941 H-OUT
Q805 2SC2688 H-DRIVE
T802 FBT
T801 H.D.T
T602
CN051 TO CNJ51 B TO B
CN021 TO CNK21 B TO B
CN031 TO CNB31 B TO B
CN041 TO CNJ41 B TO B
CN023 U4R-H TO CNJ23
CN091 U3W-H TO CNV1
CN068 S2W-H
CN081 RIBON WIRE WITH DIP PIN TO C BOARD CNC81
CND88
TO VM BOARD VM-4
TO C (FV)
CN801 M3-H
H CENT
CN083 M2-H
TO COATING EATH ASSY
CN082 M3-H
TO C BOARD CNC82
CN084 M6-H
TO DY
TO J1 BOARD CNJ41
V901
PICTURE TUBE
A68JYK10X
KG KB G2
CV KR G1 G4 HV
135V
18V
12V
5V
-30V
(SYSTEM COTROL. MEMORY. POWERCTL. JUNGLE. H·V OUT.)

SYSTEM CONTROLLER

SUB CONTROLER

IC002 MB88505H-597G SYSTEM-CTL

IC001 M50436-614SP TUNING CTL

IC003 M58655P MEMORY

Q001 JA101TP RESET

Q002 JA101TP

Q003 JA101TP VIDEO-BUFF

Q004 JA101TP SYNC SEP

D001 RD3.9ES-T1B1 PROTECT-1

D002 RD5.6ES-T1B2 PROTECT-2

D003 RD5.6ES-T1B2 PROTECT-3

D004 RD36ES-T1B4 39V-ZENER

TO CNJ145 D-45

CN012 S7B-H

| | |
|---|---|
| 1 | GND |
| 2 | INST |
| 3 | L |
| 4 | Ø/K |
| 5 | I |
| 6 | M |
| 7 | B/G |

CN021 TO CNK21 B TO B

| | |
|---|---|
| 1 | 18V |
| 2 | VOL |
| 3 | MUTE |
| 4 | SW |
| 5 | SDA |
| 6 | SCL |
| 7 | LED 2 |
| 8 | LED 1 |
| 9 | L OUT |
| 10 | R OUT |
| 11 | 12V |
| 12 | TV L IN |
| 13 | GND |
| 14 | TV R IN |
| 15 | 4 LEL |
| 16 | GND |
| 17 | L IN |
| 18 | R IN |

CN031 TO CNB31 B TO B

| | |
|---|---|
| 1 | SDA |
| 2 | SCL |
| 3 | STBY |
| 4 | BLK 1 |
| 5 | B IN |
| 6 | G IN |
| 7 | R IN |
| 8 | SCP |
| 9 | 12V |
| 10 | GND |
| 11 | GND |
| 12 | MUTE |
| 13 | ABL |
| 14 | CHR |
| 15 | +BLK |
| 16 | GND |
| 17 | VIDEO |
| 18 | HUE |

CN011 TO CNA11 B TO B

| | |
|---|---|
| 1 | L OUT |
| 2 | GND |
| 3 | R OUT |
| 4 | 4 LEL |
| 5 | PRC |
| 6 | GND |
| 7 | TV OUT |
| 8 | GND |
| 9 | AFT |
| 10 | VC |
| 11 | U |
| 12 | VSH |
| 13 | VH |
| 14 | VL |
| 15 | BAND |
| 16 | GND |
| 17 | AGC |
| 18 | 12V |

IC401 CX20061-GX VIDEO-SW

CN041 TO CNJ41 B TO B

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L IN | R IN | GND | L OUT | R OUT | GND | R | G | B | GND | BLK | GND | 12V | MOD 1 | GND | V OUT | GND | V TV IN |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |

TO J1 BOARD CNJ41

(SYSTEM COTROL. MEMORY. POWERCTL. JUNGLE. H·V OUT.)

D



KS

(STEREO)

CNK25 S3W-H

| | |
|---|---|
| R OUT | 1 |
| GND | 2 |
| L OUT | 3 |

TO J1 BOARD CNJ25

Q201 JC501 R-BUFF

Q202 JC501 L-BUFF

D201 RD9.1ESB3 PROTECT-1

D202 RD9.1ESB3 PROTECT-2

D205 RD7.5ESB3 PROTECT-5

D206 RD7.5ESB3 PROTECT-6

IC201 TDA6200 AF-INTER FACE

CNK21 B TO B

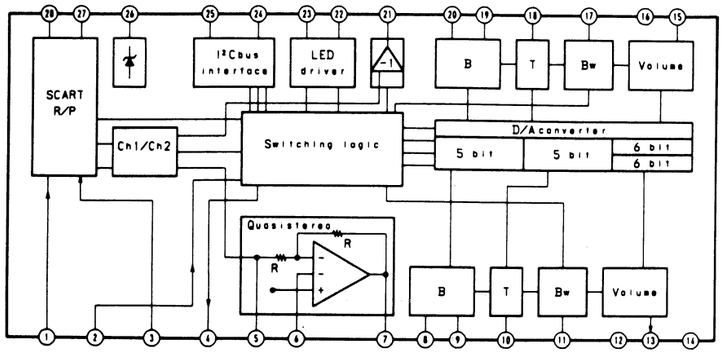
| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18V | VOL | MUTE | SW | SDA | SCL | LED2 | LED1 | L OUT | R OUT | 12V | TVL IN | GND | TVR IN | 4LEL | 'GND | L IN | R IN |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |

TO Ø BOARD CNØ21

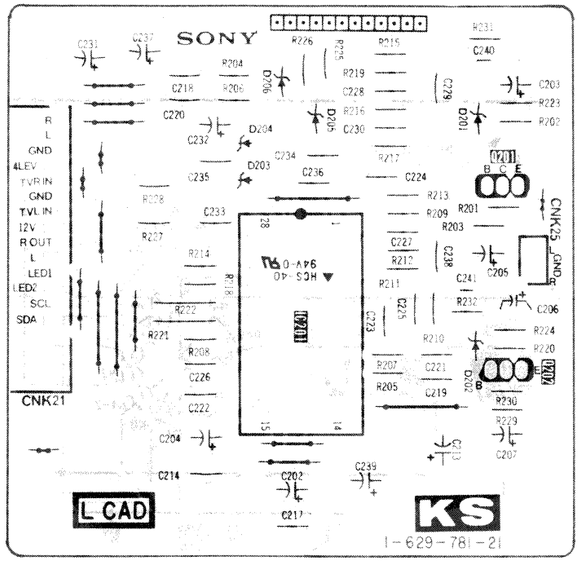
## Ks [AF INTERFACE]

## D [AF OUT, Y-CHROMA, JUNGLE, V-H DEF]

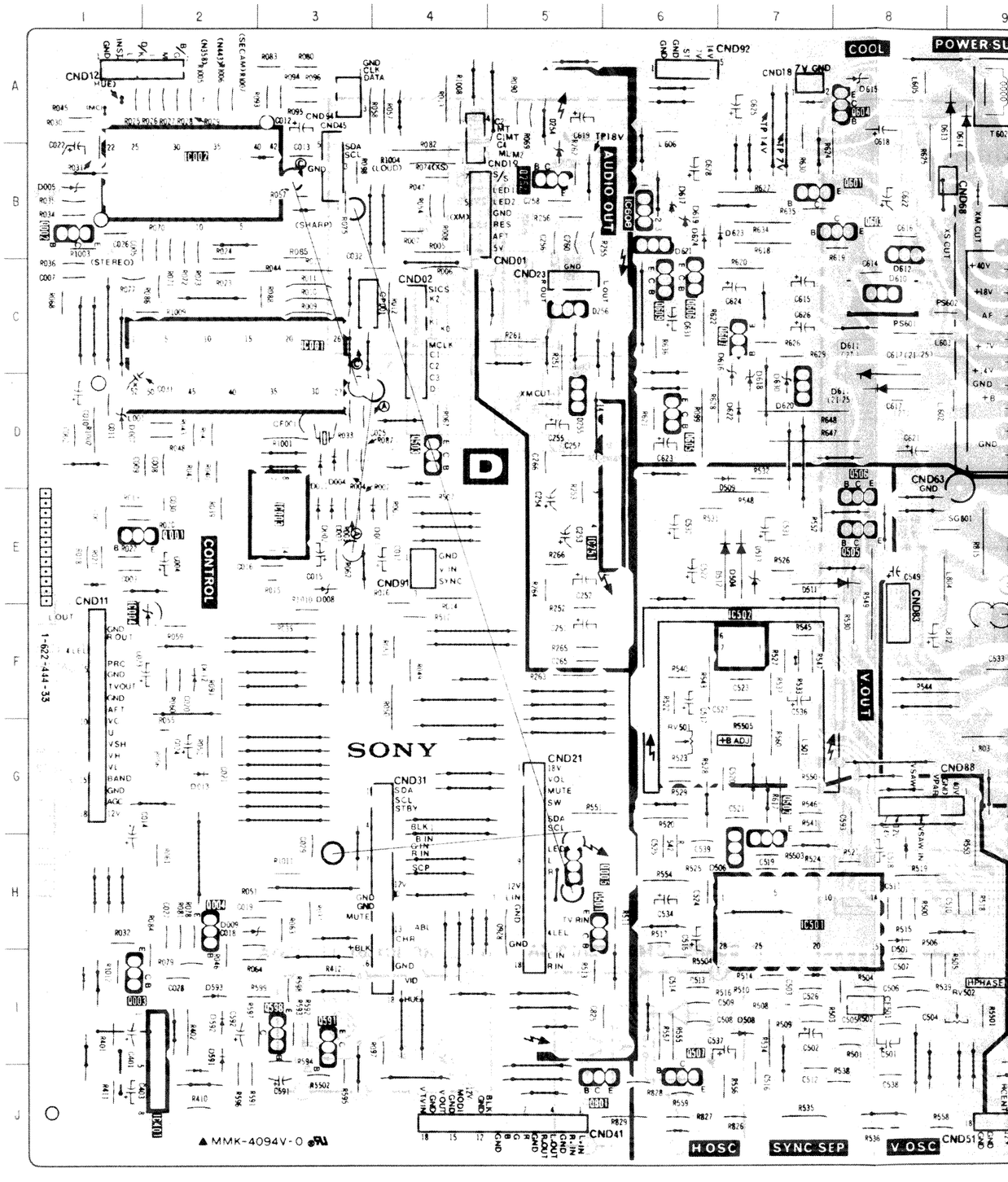
### KS BOARD IC201 TDA6200




– KS Board –

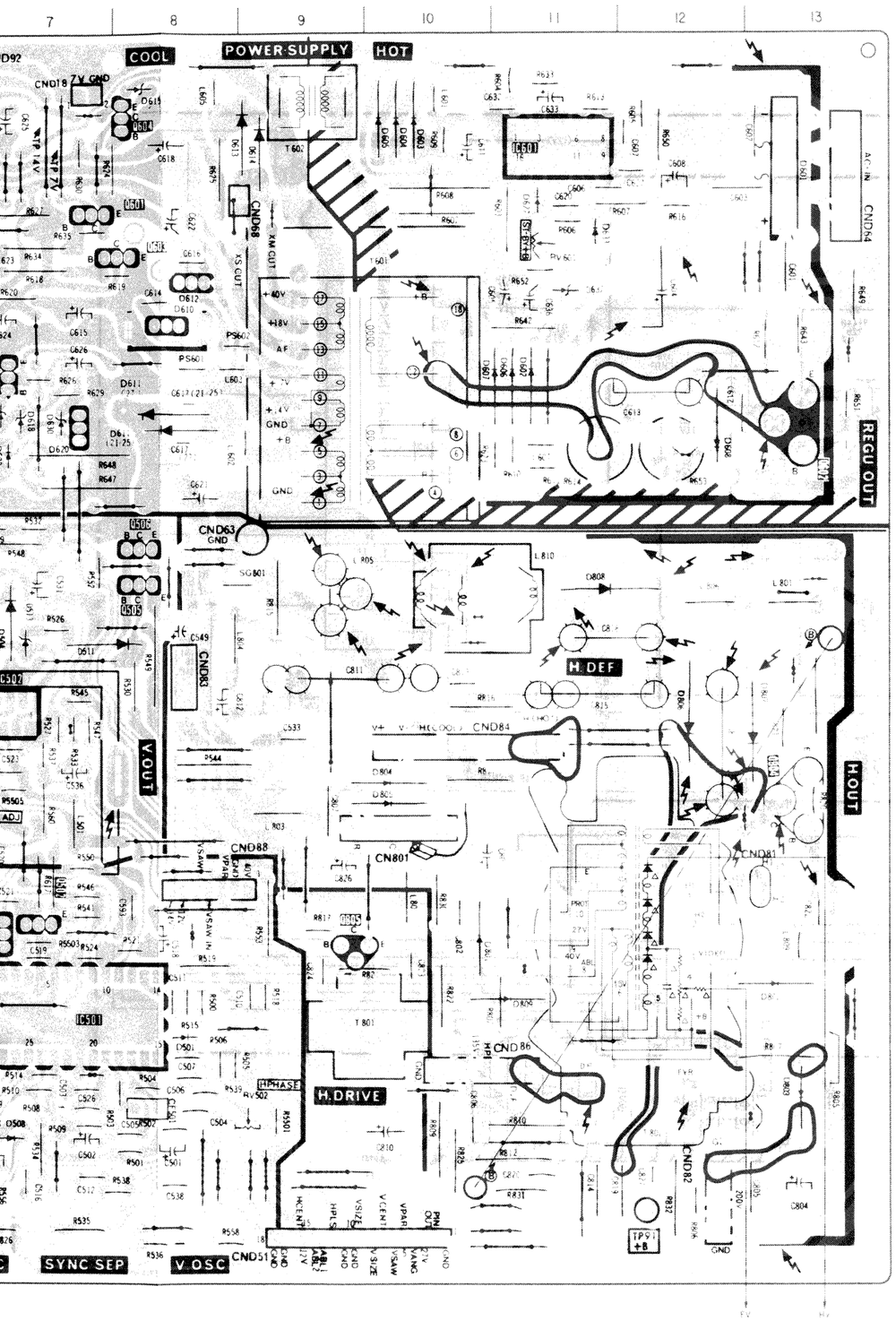



– D Board –



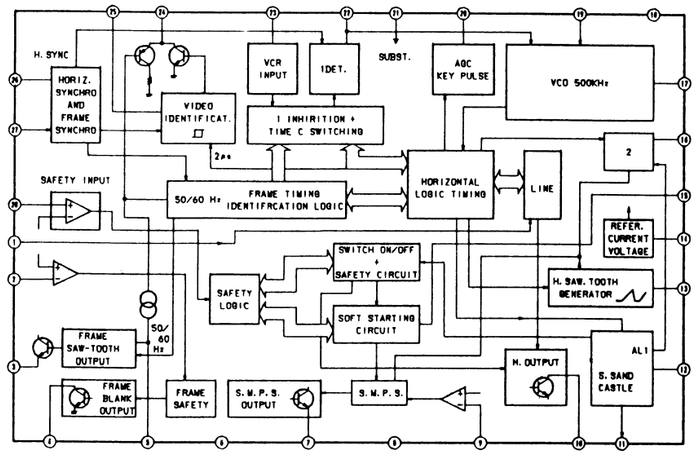

### • D BOARD WAVEFORM

| | | | | |
|---|---|---|---|---|
| ① 1.2Vp-p(H) | ⑤ 4Vp-p(H) | ⑨ 0.1Vp-p(503kHz) | ⑬ 12Vp-p(H) | ⑰ 5.6Vp-p(H) |
| ② 2.4Vp-p(V) | ⑥ 10Vp-p(H) | ⑩ 1.8Vp-p(H) | ⑭ 1200Vp-p(H) | ⑱ 5.6Vp-p(V) |
| ③ 5.3Vp-p(V) | ⑦ 13Vp-p(H) | ⑪ 3.2Vp-p(H) | ⑮ 1Vp-p(H) | ⑲ 6.4Vp-p(H) |
| ④ 2.4Vp-p(V) | ⑧ 3.6Vp-p(H) | ⑫ 225Vp-p(H) | ⑯ 11Vp-p(H) | |

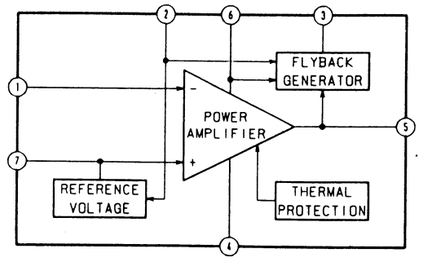



| IC | | DIODE | |
|---|---|---|---|
| IC001 | D-3 | D001 | E-4 |
| IC002 | B-2 | D002 | E-3 |
| IC003 | E-3 | D003 | E-3 |
| IC004 | F-2 | D004 | D-3 |
| IC251 | E-6 | D005 | B-1 |
| IC401 | J-2 | D007 | D-1 |
| IC501 | H-7 | D008 | F-3 |
| IC502 | F-7 | D009 | I-3 |
| IC601 | B-11 | D011 | E-3 |
| | | D012 | F-2 |
| | | D013 | G-2 |
| **TRANSISTOR** | | D254 | B-5 |
| Q001 | E-2 | D501 | I-8 |
| Q002 | B-1 | D504 | E-7 |
| Q003 | I-2 | D506 | H-7 |
| Q004 | H-2 | D508 | I-7 |
| Q252 | B-6 | D511 | F-8 |
| Q501 | H-6 | D512 | E-7 |
| Q502 | H-7 | D513 | E-7 |
| Q503 | D-4 | D591 | J-2 |
| Q505 | E-8 | D592 | I-2 |
| Q506 | E-8 | D593 | I-2 |
| Q507 | J-6 | D601 | B-13 |
| Q591 | I-3 | D602 | C-11 |
| Q598 | I-3 | D603 | A-10 |
| Q601 | B-8 | D604 | A-10 |
| Q602 | D-13 | D605 | A-10 |
| Q603 | B-8 | D606 | C-11 |
| Q604 | A-8 | D607 | C-11 |
| Q605 | D-6 | D608 | D-11 |
| Q606 | C-6 | D610 | C-8 |
| Q607 | C-7 | D611 | D-8 |
| Q608 | B-6 | D612 | C-8 |
| Q609 | C-6 | D613 | A-9 |
| Q801 | J-6 | D614 | B-9 |
| Q804 | G-13 | D615 | A-8 |
| Q805 | H-10 | D616 | D-7 |
| | | D617 | B-6 |
| | | D618 | D-7 |
| | | D619 | B-6 |
| | | D620 | D-8 |
| | | D621 | C-6 |
| | | D622 | D-7 |
| | | D623 | C-7 |
| | | D624 | C-7 |
| | | D627 | B-11 |
| | | D630 | D-7 |
| | | D632 | C-11 |
| | | D633 | C-11 |
| | | D801 | H-11 |
| | | D802 | H-13 |
| | | D803 | I-13 |
| | | D804 | G-10 |
| | | D805 | G-10 |
| | | D806 | F-12 |
| | | D808 | E-12 |
| | | D809 | H-11 |
| | | **VARIABLE RESISTOR** | |
| | | RV501 | G-6 |
| | | RV502 | I-9 |
| | | RV601 | B-11 |

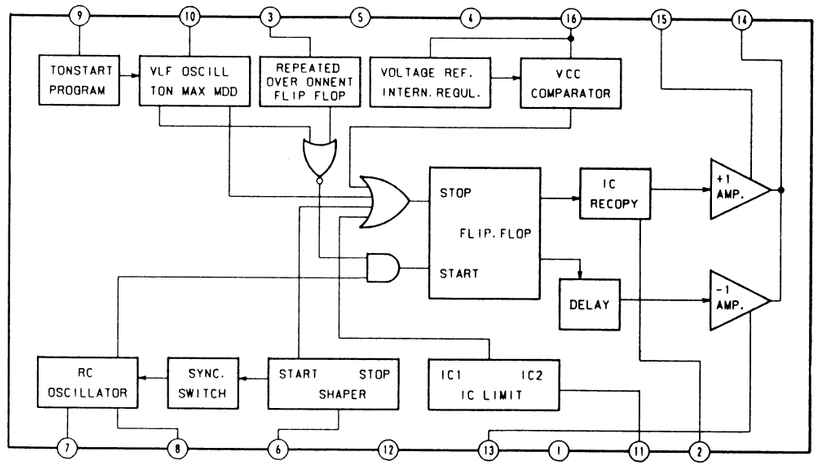
**D BOARD IC501 TEA2028A**



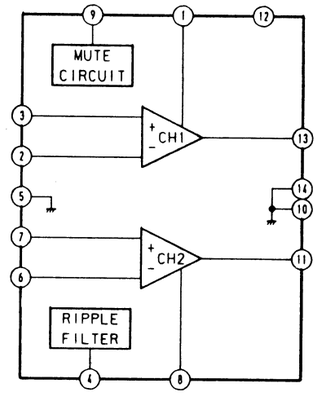

**D BOARD IC502 TDA8170**

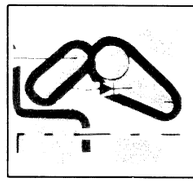



**D BOARD IC601 TEA2164**




**D BOARD IC251 LA4280**



**NOTE:**
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

# J1

(AV-INTERFACE PIN-AMP)

TO J2 BOARD J-42 TO SPEAKER

J1-42 4P YEL-L :S-MICRO (SPL IN, GND, GND, SPR IN)

J1-43 4P WHT-L :S-MICRO (L OUT, GND, R OUT, GND)

TO KS BOARD K-25

J1-25 3P WHT-L :S-MICRO (L OUT, GND, R OUT)

TO B BOARD B-32

J1-32 4P RED-L :S-MICRO (Y/C, Y-IN, GND, C-IN)

TO D BOARD D-45

J1-45 6P WHT-L :S-MICRO (AV2, M2, AV, GND, SCL, SDA)

CN1401

IC1501 TEA2031A

IC1401 CXA1114P AV-INTERFACE

IC1402 TEA2014A VIDEO-AMP

Q1404 DTC124EK

Q1403 DTC124EK

Q1401 2SA1162 VIDEO-BUFF

Q1402 2SA1162 VIDEO-BUFF

Q1407 MA3100-M

Q1408 MA3091-M

Q1419 MA3075-M

Q1501 DAN202K

Q1502 DAN202K DC-STOP

Q1503 DAN202K

Q1504 DAN202K

Q1506 MA3360-M

Q1507 DAN202K

Q1403 MA3075-M PROTECT

Q1404 MA3075-M PROTECT

Q1405 MA3075-M PROTECT

Q1406 MA3075-M PROTECT

Q1409 MA3091-M PROTECT

Q1410 MA3091-M PROTECT

Q1415 MA3075-M PROTECT

Q1418 MA3075-M PROTECT

Q1420 MA3075-M PROTECT

J-1402 21P :RGB

J-1403 21P :RGB

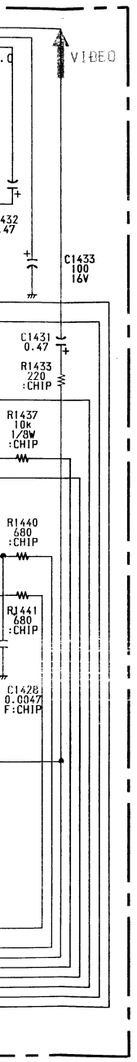
J1-51 18P BLK :HINGE-S (GND, GND, H CENT., 12V, ABL 2, ABL 1, H PLS, GND, GND, V SIZE, V SIZE, V CENT, V SAW, V PAR, V ANG, 27V-40V, P OUT, GND)

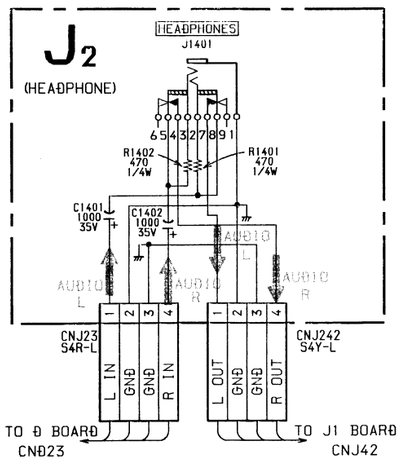
TO D BOARD (CND 51)

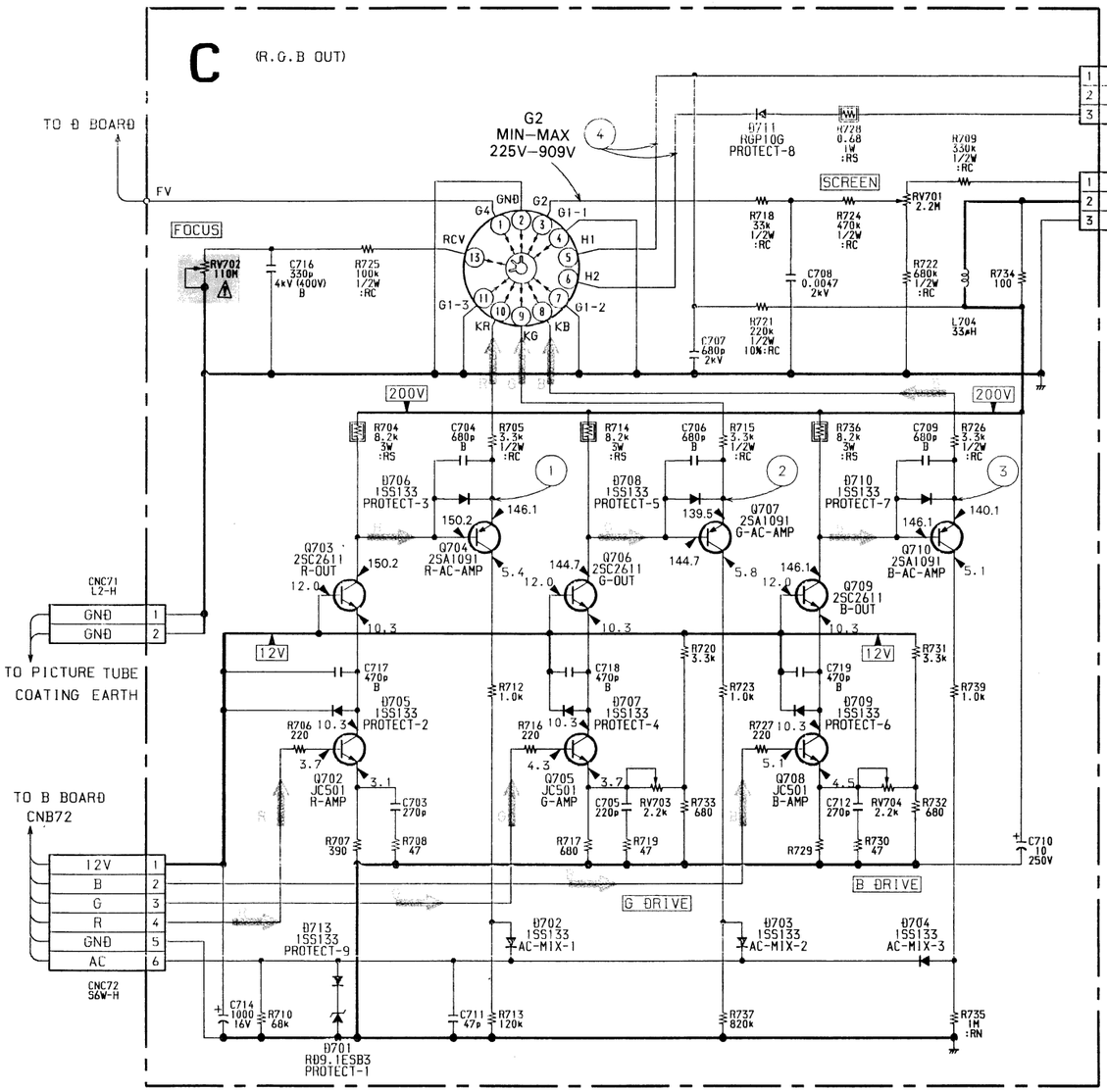
J1-41 18P BLK :HINGE-S (L IN, R IN, GND AU, L OUT, R OUT, GND AU, R, G, B, GND, BLK, GND, 12V, MODE1, GND, V OUT, GND, V TV IN)

TO D BOARD (CND 41)

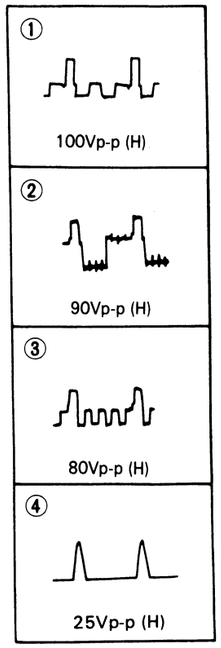
J1 BO



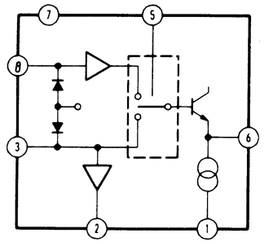



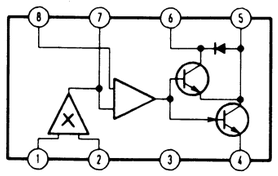

**C BOARD WAVEFORM**

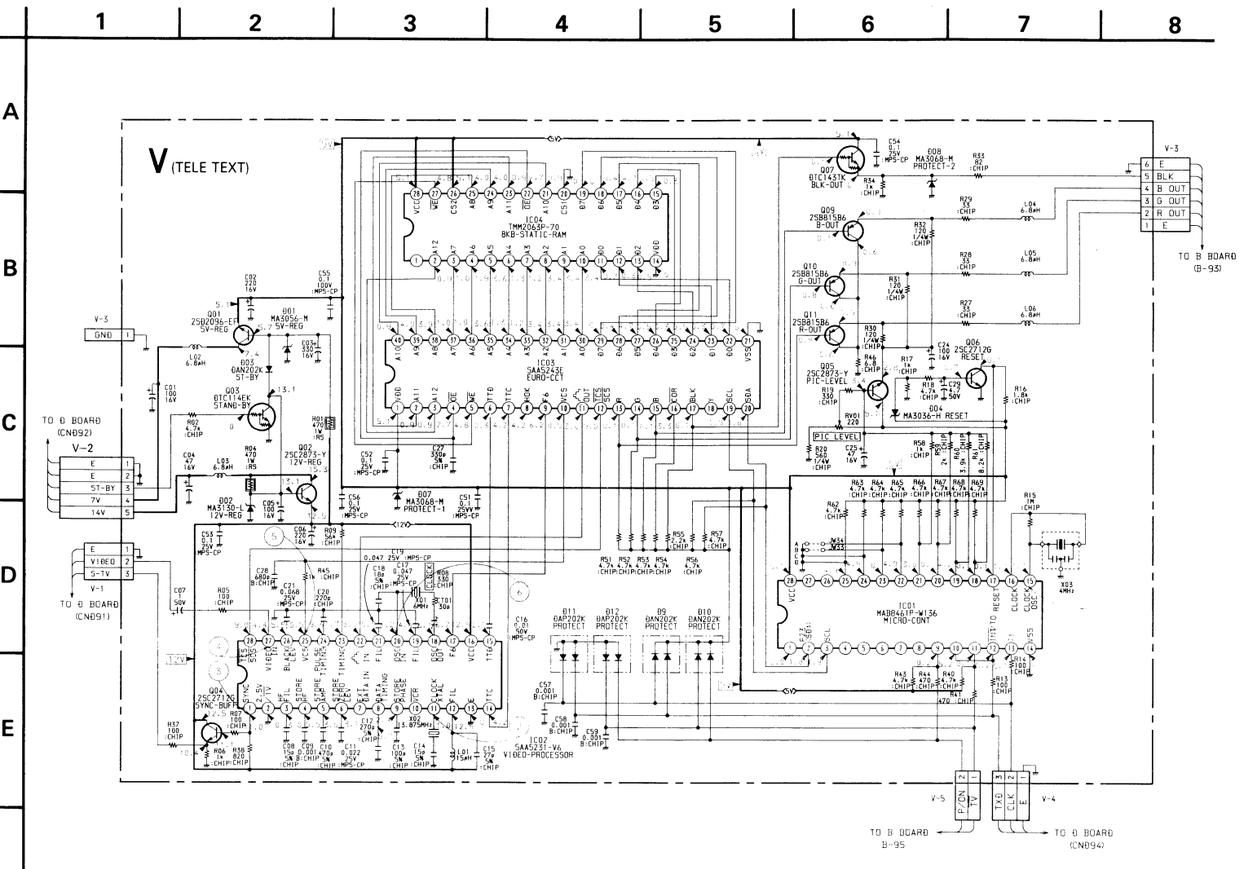



**J1 BOARD IC1402 TEA2014A**



**J1 BOARD IC1501 TEA2031A**






## • V BOARD WAVEFORM

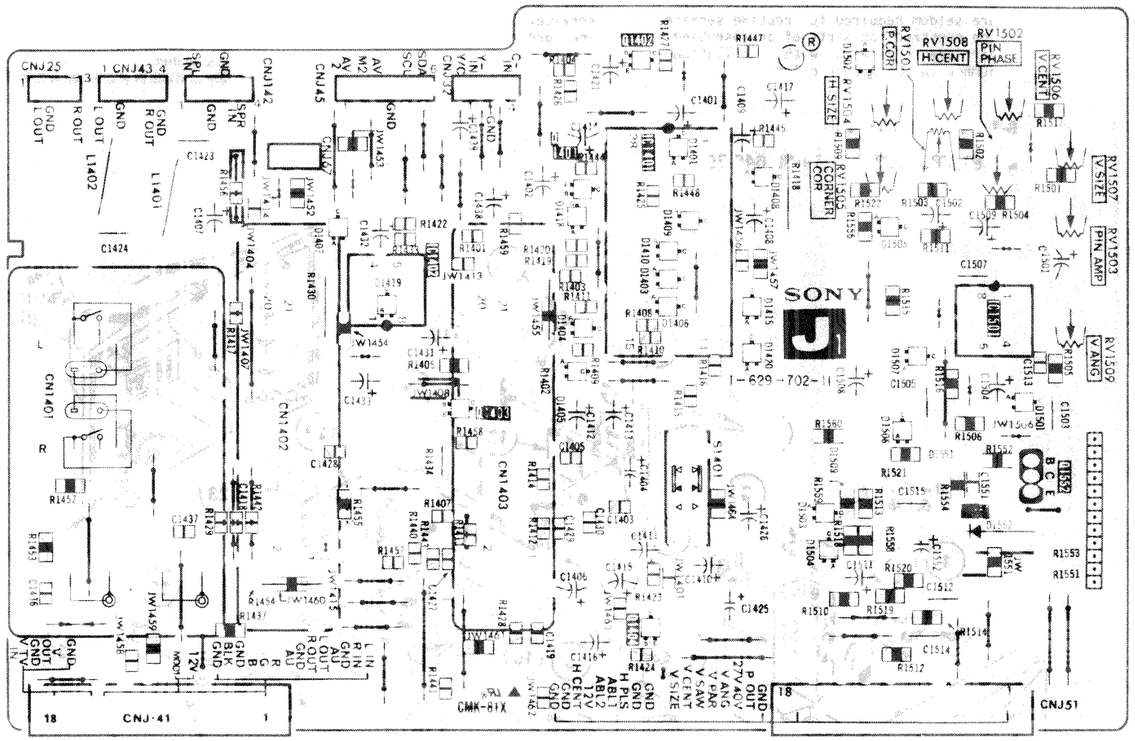
| | |
|---|---|
| ① 3.5Vp-p(4MHz) | ④ 1Vp-p(H) |
| ② 0.56Vp-p(8.75MHz) | ⑤ 2.9Vp-p(H) |
| ③ 1Vp-p(H) | ⑥ 0.4Vp-p(6MHz) |



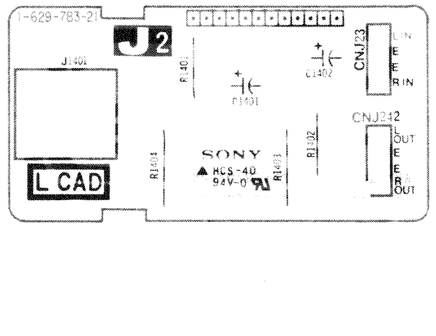
## J1 (INTERFACE)

## J2 (HEADPHONE JACK)

– J1 Board –




– J2 Board –




– C Board –

– V Board –

1-627-939-11

8

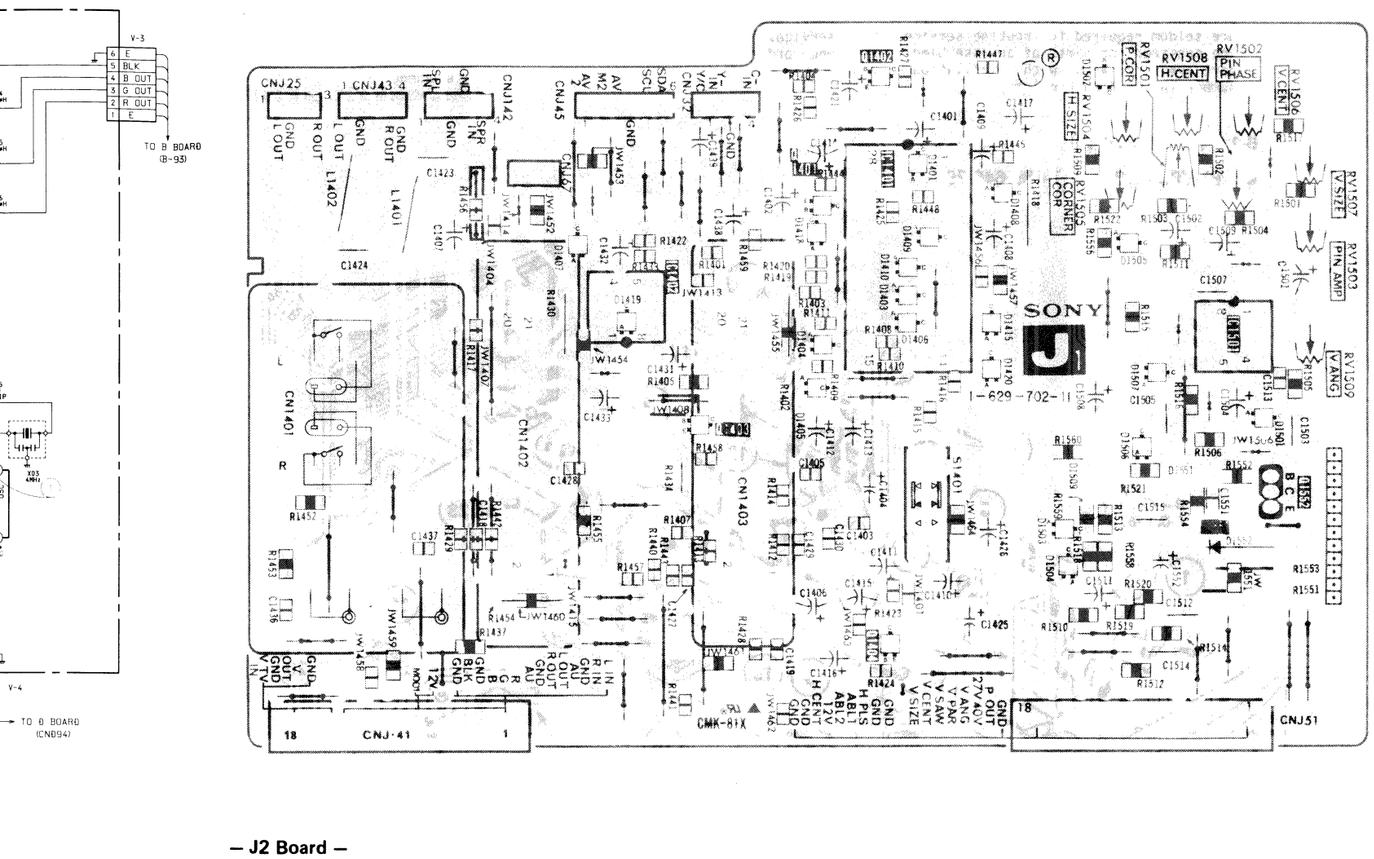
## J1 [INTERFACE]

## J2 [HEADPHONE JACK]

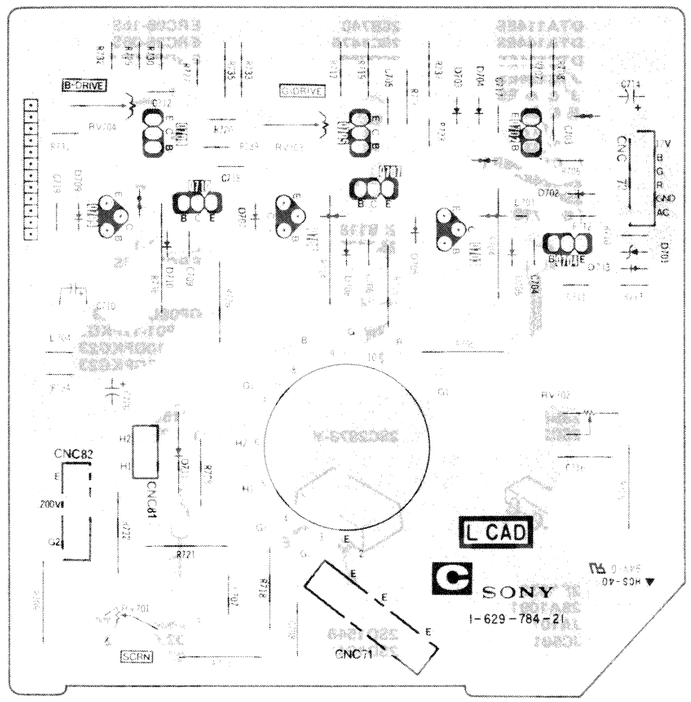
## C [R·G·B OUT]

## V [TELETEXT]

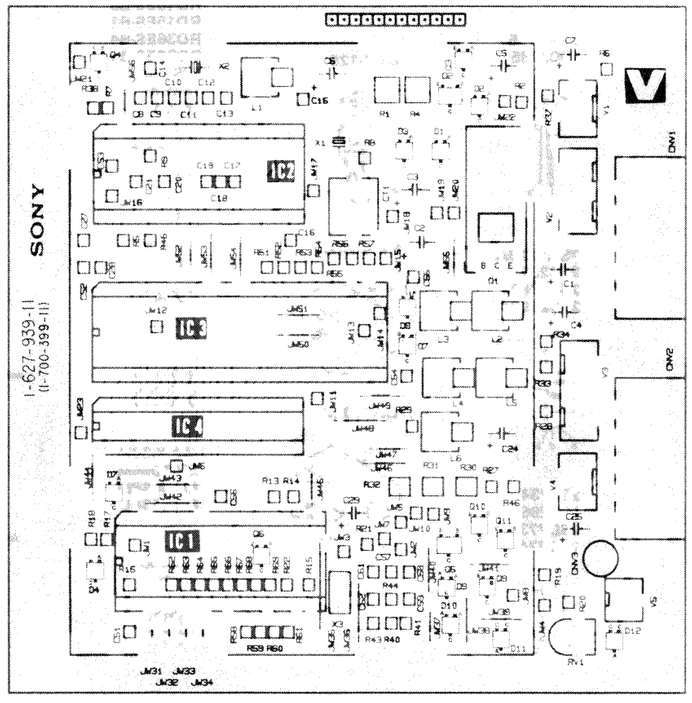
**– J1 Board –**



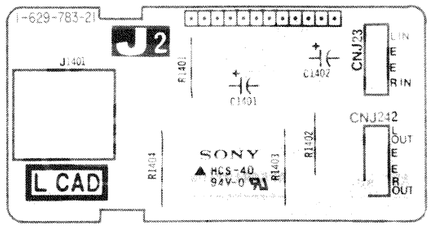

**– C Board –**




**– V Board –**



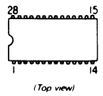

**– J2 Board –**



### 5-4. SEMICONDUCTORS

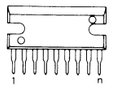
**BX1387**
**SBX1483**

**CXA1114P**
**MAB8461P**
**SAA5231-V6**
**TDA4555**
**TDA4580**
**TDA6200**
**TDA6600**
**TEA2028B**
**TMM2063D**

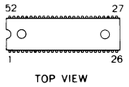



**CX20061**

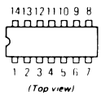
**LA4280**



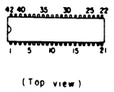

**M50436-614SP**



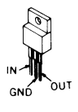

**M58655P**



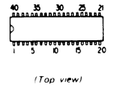

**MB88503H**




**NJM7812B**
**μPC7812J**



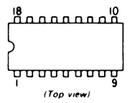

**SAA5243E**
**SDA5241**



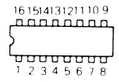

**TBA129**
**TEA2014A**
**TEA2031A**

**TDA2556**
**TDA2558**

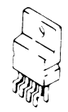
**TDA2595**




**TDA3541**
**TDA4510**
**TDA8442**
**TEA2162A**
**TEA2164**




**TDA8170**



**μPC574J**

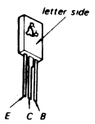
**DTA114ES**
**DTA144ES**
**DTC114ES**
**DTC124ES**
**DTC144ES**
**2SA1048**
**2SA1175**
**2SC403SP**
**2SC1740SRT**
**2SC2458**
**2SC2603**
**2SC2710**

**DTC114EK**
**2SB815B6**
**2SC2712G**

**2SA933**
**2SA1091**
**JA101**
**JC501**

**2SA1175**
**2SC2785**

**2SA1220A**
**2SC2611**
**2SC2688**
**2SC2690A**

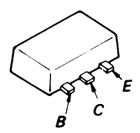



**2SB734**
**2SC2958**
**2SD773**
**2SD774**

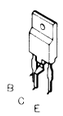
**2SB740**
**2SC1475**
**2SD789**

**2SB1185**
**2SD1761**

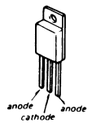
**2SC2873-Y**



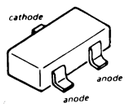

**2SD1548**
**2SD1941**



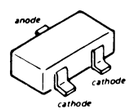

**CTU-12S**



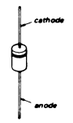

**DAN-202K**



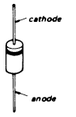

**DAP202K**




**ERC06-15S**
**ERC25-06S**
**ERD29-08J**



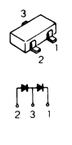

**EQB01-11**
**ERC24-06S**
**ERD28-06S**
**ES1F**
**GP08DPKG23**
**RGP01-17PKG23**
**RGP10GPKG23**
**RGP15GPKG23**
**1SS168**
**1SS238**
**1S1555**
**10E2**




**HZS39NB4TD**
**RD3.6ES-B2**
**RD3.9ES-B1**
**RD4.7ES-B1**
**RD5.6ES-B2**
**RD6.2ES-B2**
**RD6.8ES-B2**
**RD7.5ES-B3**
**RD9.1ES-B3**
**RD10ES-B3**
**RD15ES-B1**
**RD36ES-B4**
**RD39ES-B4**
**1SS119**
**1SS120**
**1SS133**

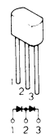
**KBU4JL**

**MA3036H**
**MA3056M**
**MA3068M**
**MA3130L**

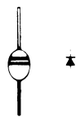



**MC921**

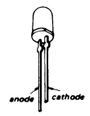
**MC931**



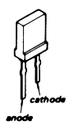

**U05G**
**V19E**



**SE303AY**

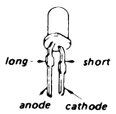



**SLP162B**




**SR632D**

**TLR124**
**LD201VR**







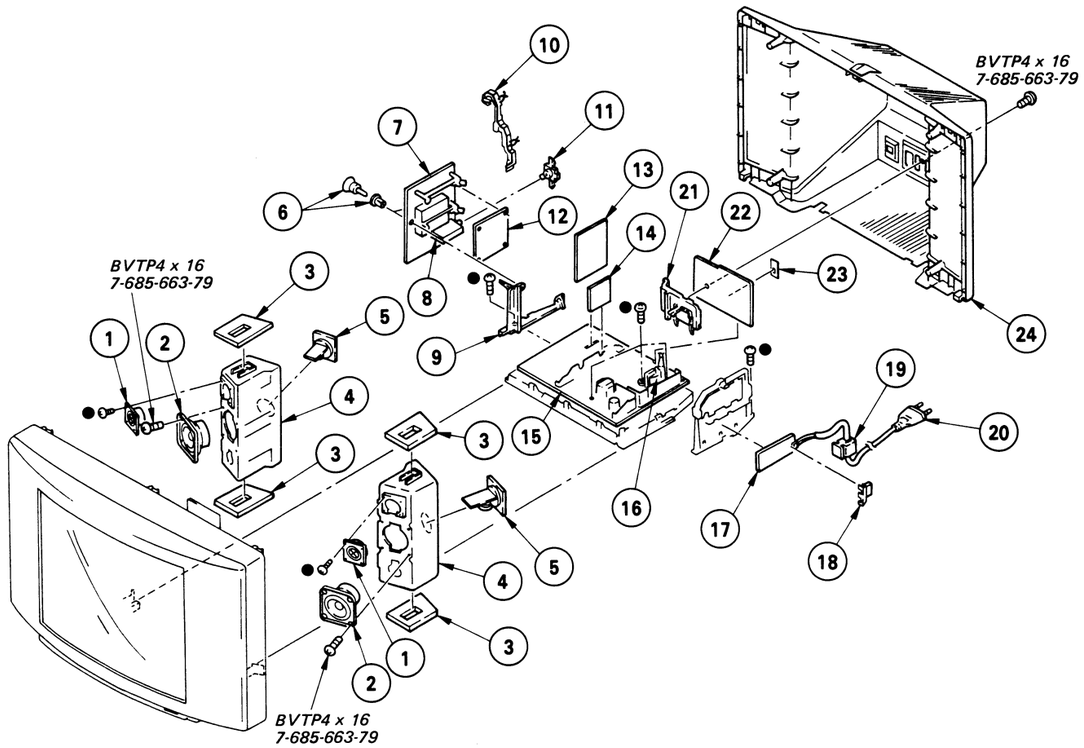

# SECTION 6
# EXPLODED VIEWS

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

## 6-1. REAR COVER

●: BVTP3 x 12 7-685-648-79




| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 1 | 1-544-146-11 | SPEAKER | |
| 2 | 1-544-147-11 | SPEAKER | |
| 3 | *4-394-306-01 | CUSHION, BOX | |
| 4 | X-4394-302-1 | FRAME ASSY | |
| 5 | 1-236-510-11 | NETWORK, DIVIDING | |
| 6 | 4-386-618-01 | RIVET, T TYPE | |
| 7 | *A-1296-569-A | A BOARD, COMPLETE | |
| 8 | ⚠1-465-053-11 | TUNER, ET (UV-615S) | |
| 9 | *4-386-629-12 | BRACKET, A | |
| 10 | *4-386-628-11 | SUPPORTER, PC BOARD | |
| 11 | *4-386-617-01 | HOLDER, TERMINAL | |
| 12 | *A-1347-030-A | V BOARD, COMPLETE | |
| 13 | *A-1135-561-A | B BOARD, COMPLETE | |
| 14 | *1-629-781-21 | KS BOARD | |
| 15 | *A-1345-839-A | D BOARD, COMPLETE | |
| 16 | ⚠1-439-416-11 | TRANSFORMER ASSY, FLYBACK (UX-1600) | |
| 17 | *1-629-719-21 | F1 BOARD | |
| 18 | *4-386-620-02 | COVER, POWER | |
| 19 | ⚠4-022-115-01 | HOLDER, AC CORD | |
| 20 | ⚠1-559-346-12 | CORD, POWER (WITH CONNECTOR) (AEP ONLY) | |
| | ⚠1-559-912-12 | CORD, POWER (WITH CONNECTOR) (AUS ONLY) | |
| 21 | *4-386-624-11 | BRACKET, J | |
| 22 | *A-1388-088-A | J1 BOARD, COMPLETE | |
| 23 | 4-394-328-01 | COVER | |
| 24 | 4-394-312-01 | COVER, REAR | |

6-2. F

●: BV

| REF.NO. | PA |
|---|---|
| 51 | 4- |
| 52 | 4- |
| 53 | 4- |
| 54 | 1- |
| 55 | 4- |
| 56 | 4- |
| 57 | 4- |
| 58 | 4- |
| 59 | 4- |
| 60 | X- |
| 61 | 4- |
| 62 | *1- |
| 63 | *4- |
| 64 | 4- |
| 65 | *1- |
| 66 | *1- |

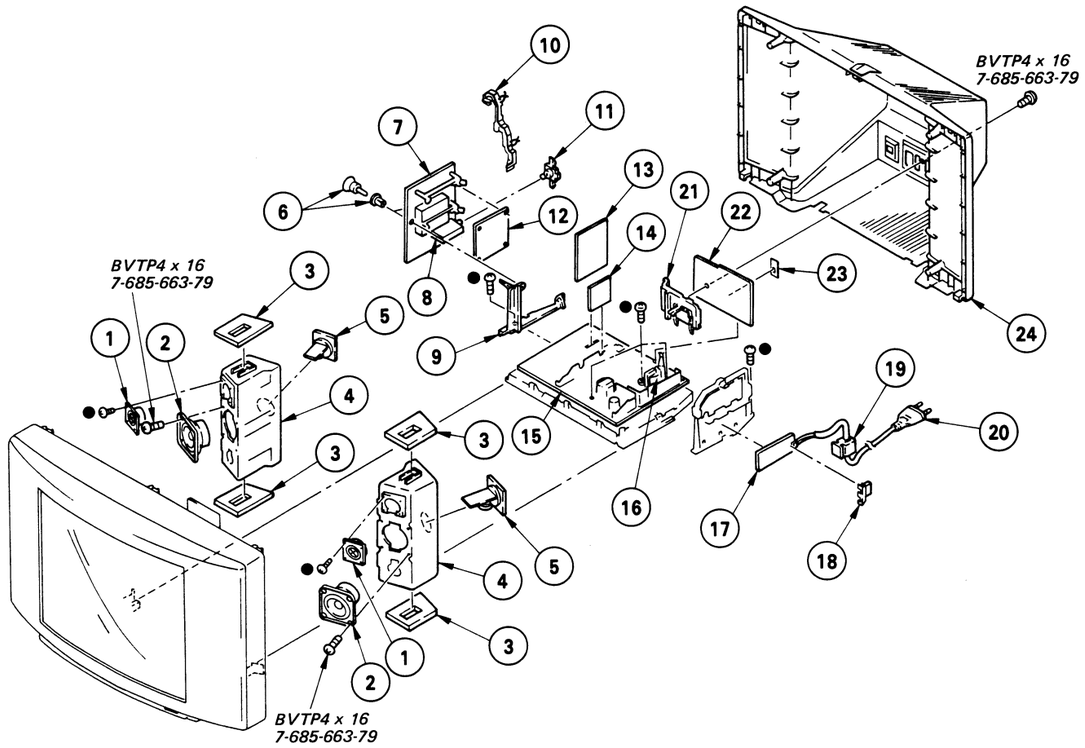
# SECTION 6
# EXPLODED VIEWS

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

## 6-1. REAR COVER

●: BVTP3 x 12 7-685-648-79

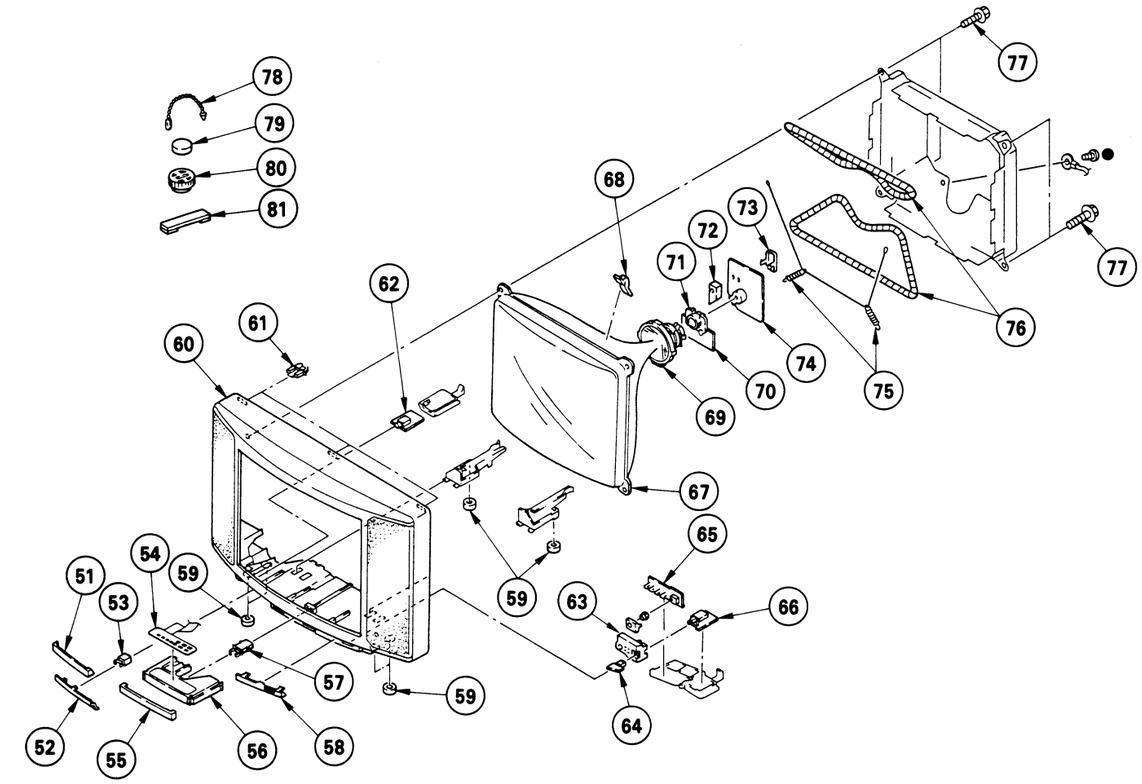



| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 1 | 1-544-146-11 | SPEAKER | |
| 2 | 1-544-147-11 | SPEAKER | |
| 3 | *4-394-306-01 | CUSHION, BOX | |
| 4 | X-4394-302-1 | FRAME ASSY | |
| 5 | 1-236-510-11 | NETWORK, DIVIDING | |
| 6 | 4-386-618-01 | RIVET, T TYPE | |
| 7 | *A-1296-569-A | A BOARD, COMPLETE | |
| 8 | ⚠1-465-053-11 | TUNER, BT (UV-615S) | |
| 9 | *4-386-629-12 | BRACKET, A | |
| 10 | *4-386-628-11 | SUPPORTER, PC BOARD | |
| 11 | *4-386-617-01 | HOLDER, TERMINAL | |
| 12 | *A-1347-030-A | V BOARD, COMPLETE | |
| 13 | *A-1135-561-A | B BOARD, COMPLETE | |
| 14 | *1-629-781-21 | KS BOARD | |
| 15 | *A-1345-839-A | D BOARD, COMPLETE | |
| 16 | ⚠1-439-416-11 | TRANSFORMER ASSY, FLYBACK (UX-1600) | |
| 17 | *1-629-719-21 | F1 BOARD | |
| 18 | *4-386-620-02 | COVER, POWER | |
| 19 | ⚠4-022-115-01 | HOLDER, AC CORD | |
| 20 | ⚠1-559-346-12 | CORD, POWER (WITH CONNECTOR) (AEP ONLY) | |
| | ⚠1-559-912-12 | CORD, POWER (WITH CONNECTOR) (AUS ONLY) | |
| 21 | *4-386-624-11 | BRACKET, J | |
| 22 | *A-1388-088-A | J1 BOARD, COMPLETE | |
| 23 | 4-394-328-01 | COVER | |
| 24 | 4-394-312-01 | COVER, REAR | |



## 6-2. PICTURE TUBE

●: BVTP3 x 12 7-685-648-79



The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 51 | 4-394-309-01 | COVER, DOOR | |
| 52 | 4-394-330-01 | BARE, DOOR | |
| 53 | 4-374-714-01 | CATCH, PUSH | |
| 54 | 1-466-141-11 | KEY BOARD, FLAT PANEL | |
| 55 | 4-394-308-01 | COVER, FRONT | |
| 56 | 4-394-310-01 | PANEL, CONTROL | |
| 57 | 4-352-034-00 | CATCHER, PUSH | |
| 58 | 4-394-315-01 | WINDOW, ORNAMENTAL | |
| 59 | 4-809-913-99 | FOOT, F | |
| 60 | X-4394-304-1 | BEZNET ASSY | 53,57 |
| 61 | 4-382-745-01 | HOLDER, RC | |
| 62 | *1-629-783-21 | J2 BOARD | |
| 63 | *4-389-124-01 | PANEL, POWER SWITCH | |
| 64 | 4-394-305-01 | BUTTON, POWER | |
| 65 | *1-629-745-21 | H9 BOARD | |
| 66 | *1-629-720-21 | F2 BOARD | |
| 67 | ⚠8-733-821-05 | PICTURE TUBE (A68JYK10X) (AEP ONLY) | |
| 76 | ⚠8-733-825-05 | PICTURE TUBE (A68JYK10X) (AUS ONLY) | |
| 68 | 3-703-961-01 | SPACER, DY | |
| 69 | ⚠1-451-313-21 | DEFLECTION YOKE (Y29FXA) | |
| 70 | *1-629-782-22 | VM BOARD | |
| 71 | ⚠1-452-509-41 | NECK ASSY, PICTURE TUBE (NA-308) | |
| 72 | *4-379-167-01 | COVER (MAIN), CV | |
| 73 | *4-379-160-01 | COVER (REAR LID), CV | |
| 74 | *A-1330-951-A | C BOARD, COMPLETE | |
| 75 | 4-369-318-00 | SPRING, TENSION | |
| 76 | ⚠1-426-398-11 | COIL, DEMAGNETIZATION | |
| 77 | 4-373-263-11 | SCREW (M), PT | |
| 78 | 4-308-870-00 | CLIP, LEAD WIRE | |
| 79 | 1-452-032-00 | MAGNET, DISK; 10MM ϕ | |
| 80 | 1-452-094-00 | MAGNET, ROTATABLE DISK; 15MM ϕ | |
| 81 | X-4306-312-0 | PERMALLOY ASSY, CONVERGENCE | |

# SECTION 7
# ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS
- MF : μF, PF : μμF

COILS
- MMH : mH, UH : μH

Note) In this parts list, the mounting diagram is for a different product.
Therefore, an excess of parts is listed.

| REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| | *A-1135-561-A | B BOARD, COMPLETE ********** | | | |
| | | <CAPACITOR> | | | |
| C301 | 1-106-228-00 | MYLAR 0.22MF | 10% | 100V | |
| C302 | 1-106-228-00 | MYLAR 0.22MF | 10% | 100V | |
| C303 | 1-126-101-11 | ELECT 100MF | 20% | 16V | |
| C304 | 1-106-228-00 | MYLAR 0.22MF | 10% | 100V | |
| C305 | 1-124-119-00 | ELECT 330MF | 20% | 16V | |
| C306 | 1-124-902-00 | ELECT 0.47MF | 20% | 50V | |
| C307 | 1-124-902-00 | ELECT 0.47MF | 20% | 50V | |
| C308 | 1-124-902-00 | ELECT 0.47MF | 20% | 50V | |
| C309 | 1-124-902-00 | ELECT 0.47MF | 20% | 50V | |
| C310 | 1-106-220-00 | MYLAR 0.1MF | 10% | 100V | |
| C311 | 1-106-220-00 | MYLAR 0.1MF | 10% | 100V | |
| C312 | 1-124-902-00 | ELECT 0.47MF | 20% | 50V | |
| C313 | 1-124-902-00 | ELECT 0.47MF | 20% | 50V | |
| C314 | 1-124-902-00 | ELECT 0.47MF | 20% | 50V | |
| C315 | 1-124-499-11 | ELECT 1MF | 20% | 50V | |
| C319 | 1-124-477-11 | ELECT 47MF | 20% | 16V | |
| C322 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% | 50V | |
| C325 | 1-124-477-11 | ELECT 47MF | 20% | 16V | |
| C326 | 1-163-021-00 | CERAMIC CHIP 0.01MF | | 50V | |
| C327 | 1-163-021-00 | CERAMIC CHIP 0.01MF | | 50V | |
| C330 | 1-163-021-00 | CERAMIC CHIP 0.01MF | | 50V | |
| C331 | 1-124-963-11 | ELECT 33MF | 20% | 16V | |
| C332 | 1-124-119-00 | ELECT 330MF | 20% | 16V | |
| C333 | 1-163-033-00 | CERAMIC CHIP 0.022MF | | 50V | |
| C334 | 1-163-111-00 | CERAMIC CHIP 56PF | 5% | 50V | |
| C335 | 1-163-035-00 | CERAMIC CHIP 0.047MF | | 50V | |
| C336 | 1-106-367-00 | MYLAR 0.01MF | 10% | 400V | |
| C337 | 1-163-021-00 | CERAMIC CHIP 0.01MF | | 50V | |
| C338 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% | 50V | |
| C339 | 1-163-119-00 | CERAMIC CHIP 120PF | 5% | 50V | |
| C340 | 1-163-099-00 | CERAMIC CHIP 18PF | 5% | 50V | |
| C341 | 1-163-125-00 | CERAMIC CHIP 220PF | 5% | 50V | |
| C342 | 1-163-099-00 | CERAMIC CHIP 18PF | 5% | 50V | |
| C343 | 1-163-119-00 | CERAMIC CHIP 120PF | 5% | 50V | |
| C344 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% | 50V | |
| C345 | 1-163-125-00 | CERAMIC CHIP 220PF | 5% | 50V | |
| C346 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% | 50V | |
| C347 | 1-124-499-11 | ELECT 1MF | 20% | 50V | |
| C348 | 1-124-499-11 | ELECT 1MF | 20% | 50V | |
| C349 | 1-136-173-00 | FILM 0.47MF | 5% | 50V | |
| C350 | 1-106-383-00 | MYLAR 0.047MF | 10% | 100V | |
| C351 | 1-106-375-12 | MYLAR 0.022MF | 10% | 250V | |
| C352 | 1-106-375-12 | MYLAR 0.022MF | 10% | 250V | |
| C354 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% | 50V | |
| C355 | 1-163-119-00 | CERAMIC CHIP 120PF | 5% | 50V | |
| C357 | 1-163-107-00 | CERAMIC CHIP 39PF | 5% | 50V | |
| C358 | 1-124-963-11 | ELECT 33MF | 20% | 16V | |
| C359 | 1-163-105-00 | CERAMIC CHIP 33PF | 5% | 50V | |
| C360 | 1-163-021-00 | CERAMIC CHIP 0.01MF | | 50V | |
| C361 | 1-163-021-00 | CERAMIC CHIP 0.01MF | | 50V | |
| C364 | 1-163-121-00 | CERAMIC CHIP 150PF | 5% | 50V | |
| C365 | 1-124-477-11 | ELECT 47MF | 20% | 16V | |
| C366 | 1-124-477-11 | ELECT 47MF | 20% | 16V | |
| C367 | 1-163-021-00 | CERAMIC CHIP 0.01MF | | 50V | |
| C368 | 1-163-109-00 | CERAMIC CHIP 47PF | 5% | 50V | |
| C381 | 1-124-902-00 | ELECT 0.47MF | 20% | 50V | |
| C382 | 1-124-927-11 | ELECT 4.7MF | 20% | 50V | |
| C384 | 1-124-477-11 | ELECT 47MF | 20% | 16V | |
| C385 | 1-124-927-11 | ELECT 4.7MF | 20% | 50V | |
| C386 | 1-124-927-11 | ELECT 4.7MF | 20% | 50V | |
| C387 | 1-124-902-00 | ELECT 0.47MF | 20% | 50V | |
| C1311 | 1-163-109-00 | CERAMIC CHIP 47PF | 5% | 50V | |
| C1313 | 1-163-107-00 | CERAMIC CHIP 39PF | 5% | 50V | |
| C1314 | 1-124-477-11 | ELECT 47MF | 20% | 16V | |
| C1315 | 1-124-477-11 | ELECT 47MF | 20% | 16V | |
| C1316 | 1-124-477-11 | ELECT 47MF | 20% | 16V | |
| C1317 | 1-124-477-11 | ELECT 47MF | 20% | 16V | |
| C1318 | 1-124-477-11 | ELECT 47MF | 20% | 16V | |
| | | <CONNECTOR> | | | |
| CNB31 | *1-562-370-21 | CONNECTOR, BOARD TO BOARD 18P | | | |
| CNB32 | *1-564-881-11 | PLUG, CONNECTOR 4P | | | |
| CNB72 | *1-564-895-11 | PLUG, CONNECTOR 6P | | | |
| CNB73 | *1-564-880-31 | PLUG, CONNECTOR 3P | | | |
| CNB93 | *1-560-278-41 | PLUG, CONNECTOR 6P | | | |
| CNB95 | *1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | |
| | | <TRIMMER> | | | |
| CT331 | 1-141-181-11 | CAP,TRIMMER | | | |
| CT332 | 1-141-181-11 | CAP,TRIMMER | | | |
| | | <DIODE> | | | |
| D301 | 8-719-400-18 | DIODE MA152WK | | | |
| D302 | 8-719-400-18 | DIODE MA152WK | | | |
| D303 | 8-719-400-18 | DIODE MA152WK | | | |
| D304 | 8-719-400-18 | DIODE MA152WK | | | |
| D305 | 8-719-400-18 | DIODE MA152WK | | | |
| D307 | 8-719-106-62 | DIODE RD11M-B2 | | | |
| D309 | 8-719-400-18 | DIODE MA152WK | | | |
| D310 | 8-719-106-62 | DIODE RD11M-B2 | | | |
| D311 | 8-719-106-62 | DIODE RD11M-B2 | | | |
| D312 | 8-719-106-62 | DIODE RD11M-B2 | | | |
| D313 | 8-719-106-62 | DIODE RD11M-B2 | | | |
| D314 | 8-719-800-76 | DIODE 1SS226 | | | |

**B**

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| D315 | 8-719-800-76 | DIODE 1SS226 | |
| D316 | 8-719-800-76 | DIODE 1SS226 | |
| D331 | 8-719-400-18 | DIODE MA152WK | |
| D333 | 8-719-400-18 | DIODE MA152WK | |
| D341 | 8-719-400-18 | DIODE MA152WK | |
| | | <DELAY LINE> | |
| DL331 | 1-415-122-00 | DELAY LINE | |
| DL332 | 1-236-062-11 | MODULE, Y DELAY LINE | |
| DL333 | 1-415-613-11 | DELAY LINE, Y | |
| | | <IC> | |
| IC301 | 8-759-979-85 | IC TDA4580-V4 | |
| IC302 | 8-759-980-60 | IC TDA8442-N3 | |
| IC331 | 8-759-947-20 | IC TDA4555-V8 | |
| IC332 | 8-752-006-12 | IC CX20061 | |
| IC333 | 8-752-006-12 | IC CX20061 | |
| IC1301 | 1-235-534-11 | CONTROL MODULE, PICTURE | |
| | | <COIL> | |
| L301 | 1-410-868-21 | INDUCTOR 4.7UH | |
| L302 | 1-410-868-21 | INDUCTOR 4.7UH | |
| L304 | 1-408-409-00 | INDUCTOR 10UH | |
| L331 | 1-408-408-00 | INDUCTOR 8.2UH | |
| L332 | 1-404-539-11 | COIL | |
| L333 | 1-404-554-11 | COIL | |
| L334 | 1-404-554-11 | COIL | |
| L335 | 1-404-554-11 | COIL | |
| L336 | 1-408-417-00 | INDUCTOR 47UH | |
| L338 | 1-408-416-00 | INDUCTOR 39UH | |
| L339 | 1-410-868-21 | INDUCTOR 4.7UH | |
| | | <TRANSISTOR> | |
| Q302 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q303 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q305 | 8-729-901-00 | TRANSISTOR DTC124EK | |
| Q306 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q307 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q308 | 8-729-216-22 | TRANSISTOR 2SA1162 | |
| Q309 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q311 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q312 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q313 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q316 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q331 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q332 | 8-729-901-00 | TRANSISTOR DTC124EK | |
| Q333 | 8-729-901-00 | TRANSISTOR DTC124EK | |
| Q334 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q335 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q381 | 8-729-901-00 | TRANSISTOR DTC124EK | |
| Q382 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q1305 | 8-729-271-22 | TRANSISTOR 2SC2712G | |
| Q1306 | 8-729-216-22 | TRANSISTOR 2SA1162 | |
| | | <RESISTOR> | |
| JW303 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W | |
| JW1301 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W | |
| JW1302 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W | |
| JW1303 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W | |
| JW1304 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W | |
| JW1305 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W | |
| JW1306 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W | |
| JW1307 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W | |
| JW1308 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W | |
| JW1309 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W | |
| JW1310 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W | |
| JW1311 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W | |
| JW1312 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W | |
| JW1313 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W | |
| JW1314 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W | |
| JW1315 | 1-216-089-00 | METAL GLAZE 47K 5% 1/10W | |
| JW1316 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W | |
| JW1317 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W | |
| JW1318 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W | |
| JW1319 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W | |
| JW1320 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W | |
| R301 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W | |
| R302 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W | |
| R303 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W | |
| R304 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W | |
| R305 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W | |
| R307 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W | |
| R308 | 1-216-043-00 | METAL GLAZE 560 5% 1/10W | |
| R309 | 1-216-025-00 | METAL GLAZE 100 5% 1/10W | |
| R310 | 1-216-025-00 | METAL GLAZE 100 5% 1/10W | |
| R311 | 1-216-025-00 | METAL GLAZE 100 5% 1/10W | |
| R312 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W | |
| R313 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |
| R314 | 1-216-041-00 | METAL GLAZE 470 5% 1/10W | |
| R315 | 1-216-029-00 | METAL GLAZE 150 5% 1/10W | |
| R316 | 1-216-029-00 | METAL GLAZE 150 5% 1/10W | |
| R317 | 1-216-029-00 | METAL GLAZE 150 5% 1/10W | |
| R318 | 1-216-222-00 | METAL GLAZE 10K 5% 1/8W | |
| R319 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W | |
| R320 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W | |
| R321 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W | |
| R322 | 1-216-055-00 | METAL GLAZE 1.8K 5% 1/10W | |
| R323 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W | |
| R324 | 1-216-067-00 | METAL GLAZE 5.6K 5% 1/10W | |
| R325 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R326 | 1-216-053-00 | METAL GLAZE 1.5K 5% 1/10W | |
| R327 | 1-216-069-00 | METAL GLAZE 6.8K 5% 1/10W | |
| R328 | 1-216-009-00 | METAL GLAZE 22 5% 1/10W | |
| R329 | 1-216-009-00 | METAL GLAZE 22 5% 1/10W | |
| R330 | 1-216-009-00 | METAL GLAZE 22 5% 1/10W | |
| R331 | 1-216-051-00 | METAL GLAZE 1.2K 5% 1/10W | |
| R332 | 1-216-017-00 | METAL GLAZE 47 5% 1/10W | |
| R333 | 1-216-039-00 | METAL GLAZE 390 5% 1/10W | |
| R334 | 1-216-031-00 | METAL GLAZE 180 5% 1/10W | |
| R335 | 1-216-045-00 | METAL GLAZE 680 5% 1/10W | |
| R336 | 1-216-051-00 | METAL GLAZE 1.2K 5% 1/10W | |
| R337 | 1-216-066-00 | METAL GLAZE 5.1K 5% 1/10W | |
| R338 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R339 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W | |
| R340 | 1-216-089-00 | METAL GLAZE 47K 5% 1/10W | |
| R341 | 1-216-035-00 | METAL GLAZE 270 5% 1/10W | |
| R342 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R343 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R344 | 1-216-089-00 | METAL GLAZE 47K 5% 1/10W | |
| R346 | 1-216-202-00 | METAL GLAZE 1.5K 5% 1/8W | |
| R347 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R348 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W | |
| R352 | 1-216-109-00 | METAL GLAZE 330K 5% 1/10W | |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

B F2 F1 A

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R353 | 1-216-109-00 | METAL GLAZE | 330K | 5% | 1/10W | |
| R354 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W | |
| R355 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W | |
| R356 | 1-216-069-00 | METAL GLAZE | 6.8K | 5% | 1/10W | |
| R357 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W | |
| R358 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W | |
| R359 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W | |
| R360 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W | |
| R361 | 1-216-053-00 | METAL GLAZE | 1.5K | 5% | 1/10W | |
| R363 | 1-216-035-00 | METAL GLAZE | 270 | 5% | 1/10W | |
| R364 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R365 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R367 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W | |
| R368 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R369 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R370 | 1-216-051-00 | METAL GLAZE | 1.2K | 5% | 1/10W | |
| R371 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R376 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W | |
| R378 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W | |
| R379 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W | |
| R380 | 1-216-067-00 | METAL GLAZE | 5.6K | 5% | 1/10W | |
| R381 | 1-216-093-00 | METAL GLAZE | 68K | 5% | 1/10W | |
| R382 | 1-216-103-00 | METAL GLAZE | 180K | 5% | 1/10W | |
| R383 | 1-216-111-00 | METAL GLAZE | 390K | 5% | 1/10W | |
| R385 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W | |
| R386 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W | |
| R389 | 1-216-101-00 | METAL GLAZE | 150K | 5% | 1/10W | |
| R391 | 1-216-023-00 | METAL GLAZE | 82 | 5% | 1/10W | |
| R392 | 1-216-019-00 | METAL GLAZE | 56 | 5% | 1/10W | |
| R393 | 1-216-019-00 | METAL GLAZE | 56 | 5% | 1/10W | |
| R394 | 1-216-019-00 | METAL GLAZE | 56 | 5% | 1/10W | |
| R398 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W | |
| R1301 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R1302 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W | |
| R1303 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W | |
| R1304 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W | |
| R1305 | 1-216-053-00 | METAL GLAZE | 1.5K | 5% | 1/10W | |
| R1306 | 1-216-047-00 | METAL GLAZE | 820 | 5% | 1/10W | |
| R1307 | 1-216-053-00 | METAL GLAZE | 1.5K | 5% | 1/10W | |
| R1308 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W | |
| R1309 | 1-216-029-00 | METAL GLAZE | 150 | 5% | 1/10W | |
| R1310 | 1-216-045-00 | METAL GLAZE | 680 | 5% | 1/10W | |
| R1311 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W | |
| R1312 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W | |
| R1313 | 1-216-053-00 | METAL GLAZE | 1.5K | 5% | 1/10W | |
| R1314 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W | |
| R1315 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W | |
| R1316 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W | |
| R1317 | 1-216-077-00 | METAL GLAZE | 15K | 5% | 1/10W | |
| R1324 | 1-216-053-00 | METAL GLAZE | 1.5K | 5% | 1/10W | |

<VARIABLE RESISTOR>

| | | | |
|---|---|---|---|
| RV331 | 1-238-009-11 | RES, ADJ, CARBON 220 | |

<TRANSFORMER>

| | | | |
|---|---|---|---|
| T331 | 1-404-584-11 | COIL | |

<CRYSTAL>

| | | | |
|---|---|---|---|
| X331 | 1-567-307-11 | OSCILLATOR, CRYSTAL | |
| X332 | 1-567-131-00 | OSCILLATOR, CRYSTAL | |

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| ********** | | | | | | |
| | *1-629-720-21 | F2 BOARD | | | | |
| | | ******** | | | | |
| | | <CONNECTOR> | | | | |
| CNF262 | *1-566-664-11 | PIN, CONNECTOR 4P | | | | |
| | | <SWITCH> | | | | |
| S1701⚠ | 1-571-410-11 | SWITCH, PUSH (AC POWER)(1 KEY) | | | | |
| ********** | | | | | | |
| | *1-629-719-21 | F1 BOARD | | | | |
| | | ******** | | | | |
| | | <CAPACITOR> | | | | |
| C1601⚠ | 1-136-518-11 | FILM | 0.33MF | 20% | 300V | |
| C1602⚠ | 1-136-519-11 | FILM | 0.47MF | 20% | 300V | |
| C1603⚠ | 1-162-578-51 | CERAMIC | 0.0047MF | 20% | 400V | |
| C1604⚠ | 1-162-578-51 | CERAMIC | 0.0047MF | 20% | 400V | |
| C1605⚠ | 1-162-578-51 | CERAMIC | 0.0047MF | 20% | 400V | |
| C1606⚠ | 1-162-578-51 | CERAMIC | 0.0047MF | 20% | 400V | |
| C1607⚠ | 1-161-964-61 | CERAMIC | 0.0047MF | | 250V | |
| | | <CONNECTOR> | | | | |
| CNF61 | *1-566-664-11 | PIN, CONNECTOR 4P | | | | |
| CNF64 | *1-506-348-99 | PIN, CONNECTOR 3P | | | | |
| CNF65 | *1-508-765-00 | PIN, CONNECTOR (5MM PITCH) 3P | | | | |
| CNF66 | *1-508-786-00 | PIN, CONNECTOR (5MM PITCH) 2P | | | | |
| CNF67 | *1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | | |
| CNF162 | *1-506-348-99 | PIN, CONNECTOR 4P | | | | |
| | | <FUSE> | | | | |
| F1601⚠ | 1-576-041-11 | FUSE, GLASS-TUBE (TIME-LAG) 4A/250V | | | | |
| | 1-533-087-00 | HOLDER, FUSE; F1601 | | | | |
| | | <TRANSFORMER> | | | | |
| LF1601⚠ | 1-421-866-12 | LFT | | | | |
| LF1602⚠ | 1-421-776-11 | LFT | | | | |
| LF1603⚠ | 1-421-592-11 | TRANSFORMER, FERRITE | | | | |
| | | <RESISTOR> | | | | |
| R1601⚠ | 1-246-513-75 | CARBON | 47K | 5% | 1/4W | |
| R1602⚠ | 1-244-945-91 | CARBON | 1M | 5% | 1/2W | |
| R1603⚠ | 1-217-328-11 | WIREWOUND | 2.7 | 10% | 7W | F |
| R1604⚠ | 1-246-513-75 | CARBON | 47K | 5% | 1/4W | |
| R1605⚠ | 1-218-265-91 | METAL GLAZE | 8.2M | 5% | 1W | |
| | | <THERMISTOR> | | | | |
| THP601⚠ | 1-808-059-31 | THERMISTOR, POSITIVE | | | | |
| ********** | | | | | | |
| | *A-1296-569-A | A BOARD, COMPLETE | | | | |
| | | ********** | | | | |
| | *4-380-698-01 | CASE (MAIN), SHIELD, AI | | | | |

# A

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | *4-380-699-01 | CASE (UPPER LID), SHIELD, A1 | | | | |
| | *4-382-701-01 | CASE (BOTTOM LID), SHIELD, A2 | | | | |
| | | <CAPACITOR> | | | | |
| C101 | 1-126-233-11 | ELECT | 22MF | 20% | 50V | |
| C102 | 1-126-103-11 | ELECT | 470MF | 20% | 16V | |
| C103 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C104 | 1-106-216-00 | MYLAR | 0.068MF | 10% | 100V | |
| C105 | 1-106-216-00 | MYLAR | 0.068MF | 10% | 100V | |
| C106 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C107 | 1-102-963-00 | CERAMIC | 33PF | 5% | 50V | |
| C108 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C109 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C110 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C111 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C112 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C113 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C114 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C118 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V | |
| C119 | 1-126-101-11 | ELECT | 100MF | 20% | 16V | |
| C120 | 1-124-925-11 | ELECT | 2.2MF | 20% | 50V | |
| C121 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C122 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C123 | 1-106-351-00 | MYLAR | 0.0022MF | 10% | 100V | |
| C124 | 1-101-888-00 | CERAMIC | 68PF | 5% | 50V | |
| C125 | 1-101-888-00 | CERAMIC | 68PF | 5% | 50V | |
| C127 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C128 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C129 | 1-101-888-00 | CERAMIC | 68PF | 5% | 50V | |
| C130 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C131 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V | |
| C132 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C133 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C134 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C135 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C136 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V | |
| C137 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V | |
| C138 | 1-124-925-11 | ELECT | 2.2MF | 20% | 50V | |
| C139 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C140 | 1-108-614-11 | MYLAR | 0.001MF | 10% | 100V | |
| C141 | 1-136-298-00 | FILM | 0.0033MF | 2% | 100V | |
| C142 | 1-102-816-00 | CERAMIC | 120PF | 5% | 50V | |
| C143 | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V | |
| C144 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C145 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C146 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C147 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C148 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C149 | 1-136-153-00 | FILM | 0.01MF | 5% | 50V | |
| C150 | 1-136-153-00 | FILM | 0.01MF | 5% | 50V | |
| C151 | 1-126-233-11 | ELECT | 22MF | 20% | 50V | |
| C152 | 1-126-233-11 | ELECT | 22MF | 20% | 50V | |
| C153 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | |
| C154 | 1-136-169-00 | FILM | 0.22MF | 5% | 50V | |
| C155 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C156 | 1-136-157-00 | FILM | 0.022MF | 5% | 50V | |
| C157 | 1-136-161-00 | FILM | 0.047MF | 5% | 50V | |
| C158 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C159 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C161 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C162 | 1-102-816-00 | CERAMIC | 120PF | 5% | 50V | |
| C163 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C164 | 1-106-367-00 | MYLAR | 0.01MF | 10% | 400V | |
| C165 | 1-136-287-11 | FILM | 0.0047MF | 5% | 50V | |
| C167 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C168 | 1-106-228-00 | MYLAR | 0.22MF | 10% | 100V | |
| C169 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C174 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C177 | 1-102-119-00 | CERAMIC | 0.0015MF | 10% | 50V | |
| C186 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C187 | 1-101-003-00 | CERAMIC | 0.0047MF | | 50V | |
| C188 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C189 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | |
| C190 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| | | <FILTER> | | | | |
| CD102 | 1-404-745-11 | DISCRIMINATOR, CERAMIC | | | | |
| CD103 | 1-404-746-11 | DISCRIMINATOR, CERAMIC | | | | |
| CF101 | 1-404-134-00 | TRAP, CERAMIC (5.5MHZ) | | | | |
| CF103 | 1-527-840-00 | FILTER, CERAMIC | | | | |
| CF104 | 1-527-839-00 | FILTER, CERAMIC | | | | |
| SWF101 | 1-577-254-11 | SAWF | | | | |
| | | <CONNECTOR> | | | | |
| CNA11 | *1-566-659-11 | CONNECTOR, HINGE (SOCKET) 18P | | | | |
| CNA16 | *1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | | |
| CNA17 | *1-564-886-21 | PLUG, CONNECTOR 9P | | | | |
| | | <DIODE> | | | | |
| D105 | 8-719-109-92 | DIODE RD6.2ES-B1 | | | | |
| D106 | 8-719-911-19 | DIODE 1SS119 | | | | AEP ONLY |
| D108 | 8-719-000-06 | DIODE MC921 | | | | |
| D110 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D111 | 8-719-109-68 | DIODE RD3.6ES-B1 | | | | |
| | | <IC> | | | | |
| IC101 | 8-759-972-09 | IC TDA8341 | | | | |
| IC102 | 8-759-973-86 | IC TDA2558 | | | | |
| IC103 | 8-759-030-48 | IC TDA6600-2 | | | | |
| IC104 | 8-759-946-99 | IC TDA2595-V7 | | | | |
| | | <COIL> | | | | |
| L101 | 1-408-226-00 | INDUCTOR | 82UH | | | |
| L102 | 1-410-116-11 | INDUCTOR | 0.56MMH | | | |
| L103 | 1-408-406-00 | INDUCTOR | 5.6UH | | | |
| L104 | 1-408-411-00 | INDUCTOR | 15UH | | | |
| L106 | 1-408-415-00 | INDUCTOR | 33UH | | | |
| L107 | 1-408-406-00 | INDUCTOR | 5.6UH | | | |
| L108 | 1-408-412-00 | INDUCTOR | 18UH | | | |
| L109 | 1-408-412-00 | INDUCTOR | 18UH | | | |
| L110 | 1-410-064-11 | INDUCTOR | 2.7MMH | | | |
| L111 | 1-408-421-00 | INDUCTOR | 100UH | | | |
| L113 | 1-408-399-00 | INDUCTOR | 1.5UH | | | |
| | | <TRANSISTOR> | | | | |
| Q101 | 8-729-900-61 | TRANSISTOR DTA114ES | | | | |
| Q102 | 8-729-900-61 | TRANSISTOR DTA114ES | | | | |
| Q103 | 8-729-900-61 | TRANSISTOR DTA114ES | | | | |
| Q104 | 8-729-900-61 | TRANSISTOR DTA114ES | | | | |
| Q105 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q106 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |

A C

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| Q107 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q108 | 8-729-900-65 | TRANSISTOR DTA144ES | |
| Q109 | 8-729-900-89 | TRANSISTOR DTC144ES | |
| Q110 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q111 | 8-729-900-89 | TRANSISTOR DTC144ES | |
| Q112 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q113 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q115 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q116 | 8-729-900-65 | TRANSISTOR DTA144ES | |
| Q117 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q120 | 8-729-900-89 | TRANSISTOR DTC144ES | |
| | | <RESISTOR> | |
| R101 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| R102 | 1-249-423-11 | CARBON 3.3K 5% 1/4W | |
| R103 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R104 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R105 | 1-249-418-11 | CARBON 1.2K 5% 1/4W | |
| R106 | 1-247-891-00 | CARBON 330K 5% 1/4W | |
| R107 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| R108 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| R109 | 1-249-423-11 | CARBON 3.3K 5% 1/4W | |
| R110 | 1-249-410-11 | CARBON 270 5% 1/4W | |
| R111 | 1-249-416-11 | CARBON 820 5% 1/4W | |
| R112 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| R114 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R115 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R116 | 1-249-419-11 | CARBON 1.5K 5% 1/4W | |
| R117 | 1-249-431-11 | CARBON 15K 5% 1/4W | |
| R118 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| R119 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R121 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R122 | 1-249-436-11 | CARBON 39K 5% 1/4W | |
| R123 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R124 | 1-249-423-11 | CARBON 3.3K 5% 1/4W | |
| R125 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R127 | 1-249-432-11 | CARBON 18K 5% 1/4W | |
| R128 | 1-249-432-11 | CARBON 18K 5% 1/4W | |
| R129 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R130 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R132 | 1-249-414-11 | CARBON 560 5% 1/4W | |
| R133 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| R134 | 1-249-414-11 | CARBON 560 5% 1/4W | |
| R135 | 1-249-419-11 | CARBON 1.5K 5% 1/4W | |
| R136 | 1-249-414-11 | CARBON 560 5% 1/4W | |
| R137 | 1-249-414-11 | CARBON 560 5% 1/4W | |
| R138 | 1-249-419-11 | CARBON 1.5K 5% 1/4W | |
| R139 | 1-249-431-11 | CARBON 15K 5% 1/4W | |
| R140 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R141 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| R142 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R143 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R144 | 1-249-422-11 | CARBON 2.7K 5% 1/4W | |
| R146 | 1-249-424-11 | CARBON 3.9K 5% 1/4W | |
| R148 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R150 | 1-249-423-11 | CARBON 3.3K 5% 1/4W | |
| R151 | 1-249-423-11 | CARBON 3.3K 5% 1/4W | |
| R152 | 1-249-431-11 | CARBON 15K 5% 1/4W | |
| R153 | 1-249-416-11 | CARBON 820 5% 1/4W | |
| R154 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R155 | 1-249-430-11 | CARBON 12K 5% 1/4W | |
| R156 | 1-247-881-00 | CARBON 120K 5% 1/4W | |
| R161 | 1-249-427-11 | CARBON 6.8K 5% 1/4W | |
| R163 | 1-249-424-11 | CARBON 3.9K 5% 1/4W | |
| R165 | 1-249-423-11 | CARBON 3.3K 5% 1/4W | |
| R166 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R171 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R174 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R175 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R177 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R188 | 1-249-419-11 | CARBON 1.5K 5% 1/4W | |
| R189 | 1-249-419-11 | CARBON 1.5K 5% 1/4W | |
| | | <VARIABLE RESISTOR> | |
| RV101 | 1-237-753-11 | RES, ADJ, CARBON 47K | |
| RV102 | 1-237-751-11 | RES, ADJ, CARBON 10K | |
| RV103 | 1-237-753-11 | RES, ADJ, CARBON 47K | |
| | | <TRANSFORMER> | |
| T101 | 1-404-493-00 | COIL | |
| T102 | 1-404-493-00 | COIL | |
| T103 | 1-404-493-00 | COIL | |
| | | <TUNER> | |
| TU101⚠ | 1-465-053-11 | TUNER, BT (UV-615S) | |
| | | ********** | |
| | *A-1330-951-A | C BOARD, COMPLETE | |
| | | ********** | |
| | *4-379-160-01 | COVER (REAR LID), CV | |
| | *4-379-167-01 | COVER (MAIN), CV | |
| | *4-386-664-01 | SPRING | |
| | | <CAPACITOR> | |
| C703 | 1-102-980-00 | CERAMIC 270PF 5% 50V | |
| C704 | 1-102-116-00 | CERAMIC 680PF 10% 50V | |
| C705 | 1-102-978-00 | CERAMIC 220PF 5% 50V | |
| C706 | 1-102-116-00 | CERAMIC 680PF 10% 50V | |
| C707 | 1-162-116-00 | CERAMIC 680PF 10% 2KV | |
| C708 | 1-162-114-00 | CERAMIC 0.0047MF 2KV | |
| C709 | 1-102-116-00 | CERAMIC 680PF 10% 50V | |
| C710 | 1-123-947-00 | ELECT 10MF 20% 250V | |
| C711 | 1-101-880-00 | CERAMIC 47PF 5% 50V | |
| C712 | 1-102-980-00 | CERAMIC 270PF 5% 50V | |
| C714 | 1-124-360-00 | ELECT 1000MF 20% 16V | |
| C716 | 1-162-622-11 | CERAMIC 330PF 10% 400V | |
| C717 | 1-102-114-00 | CERAMIC 470PF 10% 50V | |
| C718 | 1-102-114-00 | CERAMIC 470PF 10% 50V | |
| C719 | 1-102-114-00 | CERAMIC 470PF 10% 50V | |
| | | <CONNECTOR> | |
| CNC71 | *1-506-371-00 | PIN, CONNECTOR 2P | |
| CNC72 | *1-564-883-11 | PLUG, CONNECTOR 6P | |
| CNC81 | *1-560-123-00 | PLUG, CONNECTOR (2.5MM PITCH) | |
| CNC82 | *1-508-765-00 | PIN, CONNECTOR (5MM PITCH) 3P | |
| | | <DIODE> | |
| D701 | 8-719-110-14 | DIODE RD9.1ES-B3 | |
| D702 | 8-719-911-19 | DIODE 1SS119 | |
| D703 | 8-719-911-19 | DIODE 1SS119 | |
| D704 | 8-719-911-19 | DIODE 1SS119 | |

C VM D

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| D705 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D706 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D707 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D708 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D709 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D710 | 8-719-911-19 | DIODE 1SS119 | | | | |
| D711 | 8-719-300-33 | DIODE RU-3AM | | | | |
| D713 | 8-719-911-19 | DIODE 1SS119 | | | | |
| | | <JACK> | | | | |
| J701 | 1-526-798-51 | SOCKET, PICTURE TUBE | | | | |
| | | <COIL> | | | | |
| L704 | 1-410-878-21 | INDUCTOR | 33UH | | | |
| | | <TRANSISTOR> | | | | |
| Q702 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q703 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q704 | 8-729-200-17 | TRANSISTOR 2SA1091 | | | | |
| Q705 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q706 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q707 | 8-729-200-17 | TRANSISTOR 2SA1091 | | | | |
| Q708 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q709 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | |
| Q710 | 8-729-200-17 | TRANSISTOR 2SA1091 | | | | |
| | | <RESISTOR> | | | | |
| R704 | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W | F |
| R705 | 1-202-824-00 | SOLID | 3.3K | 10% | 1/2W | |
| R706 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R707 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W | |
| R708 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R709 | 1-202-844-00 | SOLID | 330K | 10% | 1/2W | |
| R710 | 1-215-465-00 | METAL | 68K | 1% | 1/6W | |
| R712 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R713 | 1-215-471-00 | METAL | 120K | 1% | 1/6W | |
| R714 | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W | F |
| R715 | 1-202-824-00 | SOLID | 3.3K | 10% | 1/2W | |
| R716 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R717 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R718 | 1-202-814-11 | SOLID | 33K | 10% | 1/2W | |
| R719 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R720 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R721 | 1-202-842-11 | SOLID | 220K | 10% | 1/2W | |
| R722 | 1-202-848-00 | SOLID | 680K | 10% | 1/2W | |
| R723 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R724 | 1-202-846-00 | SOLID | 470K | 10% | 1/2W | |
| R725 | 1-202-838-00 | SOLID | 100K | 10% | 1/2W | |
| R726 | 1-202-824-00 | SOLID | 3.3K | 10% | 1/2W | |
| R727 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R728 | 1-216-347-11 | METAL OXIDE | 0.68 | 5% | 1W | F |
| R729 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W | |
| R730 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R731 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R732 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R733 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R734 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R735 | 1-215-493-00 | METAL | 1M | 1% | 1/6W | |
| R736 | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W | F |
| R737 | 1-215-485-00 | METAL | 470K | 1% | 1/6W | |
| R739 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| | | <VARIABLE RESISTOR> | | | | |
| RV701 | 1-230-641-11 | RES, ADJ, METAL GLAZE 2.2M | | | | |
| RV702⚠ | 1-230-619-11 | RES, ADJ, METAL GLAZE 110M | | | | |
| RV703 | 1-237-749-11 | RES, ADJ, CARBON 2200 | | | | |
| RV704 | 1-237-749-11 | RES, ADJ, CARBON 2200 | | | | |
| | *-629-782-22 | VM BOARD<br>******** | | | | |
| | *1-564-880-31 | PLUG, CONNECTOR 3P | | | | |
| | *1-564-881-11 | PLUG, CONNECTOR 4P | | | | |
| | | <CAPACITOR> | | | | |
| C751 | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V | |
| C752 | 1-106-373-00 | MYLAR | 0.018MF | 10% | 250V | |
| C753 | 1-106-367-00 | MYLAR | 0.01MF | 10% | 400V | |
| C754 | 1-102-980-00 | CERAMIC | 270PF | 5% | 50V | |
| C757 | 1-108-692-11 | MYLAR | 0.01MF | 10% | 200V | |
| C759 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C760 | 1-124-917-11 | ELECT | 33MF | 20% | 50V | |
| C761 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V | |
| C762 | 1-106-367-00 | MYLAR | 0.01MF | 10% | 400V | |
| | | <COIL> | | | | |
| L751 | 1-408-413-00 | INDUCTOR | 22UH | | | |
| | | <TRANSISTOR> | | | | |
| Q751 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q752 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q753 | 8-729-140-97 | TRANSISTOR 2SB734-34 | | | | |
| Q754 | 8-729-177-42 | TRANSISTOR 2SD774-3 | | | | |
| | | <RESISTOR> | | | | |
| R751 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W | |
| R752 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R753 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R754 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R755 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R756 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| R757 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R758 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R760 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R761 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R762 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W | |
| R763 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R764 | 1-249-455-11 | CARBON | 4.7 | 5% | 1/4W | F |
| R765 | 1-249-455-11 | CARBON | 4.7 | 5% | 1/4W | F |
| R766 | 1-247-753-11 | CARBON | 1.2K | 5% | 1/2W | |
| R767 | 1-247-751-11 | CARBON | 820 | 5% | 1/2W | |
| R768 | 1-215-887-00 | METAL OXIDE | 150 | 5% | 2W | F |
| R769 | 1-212-889-00 | FUSIBLE | 220 | 5% | 1/4W | F |
| R770 | 1-212-936-00 | FUSIBLE | 1.2 | 5% | 1/2W | F |
| | *A-1345-839-A | D BOARD, COMPLETE<br>********** | | | | |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | *4-341-751-01 | EYELET | | | | |
| | *4-341-752-01 | EYELET | | | | |
| | *4-368-683-01 | SPRING (Q608) | | | | |
| | | <CAPACITOR> | | | | |
| C001 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C003 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C004 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C005 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C007 | 1-106-383-00 | MYLAR | 0.047MF | 10% | 100V | |
| C008 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V | |
| C009 | 1-101-884-00 | CERAMIC | 56PF | 5% | 50V | |
| C010 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C011 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C012 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C013 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C014 | 1-124-463-00 | ELECT | 0.1MF | 20% | 50V | |
| C015 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C016 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C017 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C018 | 1-102-980-00 | CERAMIC | 270PF | 5% | 50V | |
| C019 | 1-106-383-00 | MYLAR | 0.047MF | 10% | 100V | |
| C020 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C022 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C023 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C025 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V | |
| C026 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V | |
| C027 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C028 | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V | |
| C029 | 1-102-121-00 | CERAMIC | 0.0022MF | 10% | 50V | |
| C031 | 1-124-120-11 | ELECT | 220MF | 20% | 16V | |
| C032 | 1-102-978-00 | CERAMIC | 220PF | 5% | 50V | |
| C251 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C252 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C253 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C254 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C255 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C256 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C257 | 1-101-004-00 | CERAMIC | 0.01MF | | 50V | |
| C258 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C260 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C265 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C266 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C401 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C403 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C501 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C502 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C503 | 1-106-371-00 | MYLAR | 0.015MF | 10% | 400V | |
| C504 | 1-101-361-00 | CERAMIC | 150PF | 5% | 50V | |
| C505 | 1-108-794-11 | MYLAR | 0.0015MF | 5% | 50V | |
| C506 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C507 | 1-130-783-00 | MYLAR | 0.33MF | 10% | 100V | |
| C508 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C509 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C510 | 1-161-959-00 | CERAMIC | 22PF | 10% | 500V | |
| C511 | 1-108-620-11 | MYLAR | 0.0033MF | 10% | 100V | |
| C512 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C513 | 1-108-614-11 | MYLAR | 0.001MF | 10% | 100V | |
| C514 | 1-106-228-00 | MYLAR | 0.22MF | 10% | 100V | |
| C515 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C516 | 1-108-614-11 | MYLAR | 0.001MF | 10% | 100V | |
| C517 | 1-124-252-00 | ELECT | 0.33MF | 20% | 50V | |
| C518 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C519 | 1-136-173-00 | FILM | 0.47MF | 5% | 50V | |
| C520 | 1-102-121-00 | CERAMIC | 0.0022MF | 10% | 50V | |
| C521 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C522 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C523 | 1-108-614-11 | MYLAR | 0.001MF | 10% | 100V | |
| C524 | 1-108-798-11 | MYLAR | 0.0033MF | 5% | 50V | |
| C525 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V | |
| C526 | 1-102-951-00 | CERAMIC | 15PF | 5% | 50V | |
| C527 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C531 | 1-124-190-00 | ELECT | 680MF | 10% | 25V | |
| C532 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C533 | 1-106-216-00 | MYLAR | 0.068MF | 10% | 100V | |
| C534 | 1-124-120-11 | ELECT | 220MF | 20% | 16V | |
| C536 | 1-131-365-00 | TANTALUM | 10MF | 10% | 16V | |
| C537 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C538 | 1-108-614-11 | MYLAR | 0.001MF | 10% | 100V | |
| C539 | 1-102-820-00 | CERAMIC | 330PF | 5% | 50V | |
| C591 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C592 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C593 | 1-102-820-00 | CERAMIC | 330PF | 5% | 50V | |
| C601 ⚠ | 1-161-964-61 | CERAMIC | 0.0047MF | | 250V | |
| C602 ⚠ | 1-161-964-61 | CERAMIC | 0.0047MF | | 250V | |
| C603 ⚠ | 1-161-964-61 | CERAMIC | 0.0047MF | | 250V | |
| C604 | 1-125-318-00 | ELECT(BLOCK) | 220MF | 20% | 400V | |
| C605 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C606 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C607 | 1-130-019-00 | FILM | 0.0012MF | 5% | 50V | |
| C608 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C611 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C612 | 1-162-115-00 | CERAMIC | 330PF | 10% | 2KV | |
| C613 | 1-136-539-11 | FILM | 0.0022MF | 3% | 2KV | |
| C614 | 1-102-030-00 | CERAMIC | 330PF | 10% | 500V | |
| C615 | 1-124-557-11 | ELECT | 1000MF | 20% | 25V | |
| C616 | 1-102-030-00 | CERAMIC | 330PF | 10% | 500V | |
| C618 | 1-124-637-11 | ELECT | 1000MF | 20% | 50V | |
| C619 | 1-124-556-11 | ELECT | 2200MF | 20% | 16V | |
| C620 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C621 | 1-124-347-00 | ELECT | 100MF | 20% | 160V | |
| C622 | 1-124-556-11 | ELECT | 2200MF | 20% | 16V | |
| C623 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C624 | 1-124-122-11 | ELECT | 100MF | 20% | 50V | |
| C625 | 1-124-360-00 | ELECT | 1000MF | 20% | 16V | |
| C626 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C627 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C631 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C632 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V | |
| C633 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C636 | 1-123-382-00 | ELECT | 3.3MF | 20% | 50V | |
| C801 | 1-126-105-11 | ELECT | 1000MF | 20% | 35V | |
| C802 | 1-102-030-00 | CERAMIC | 330PF | 10% | 500V | |
| C804 | 1-123-948-00 | ELECT | 22MF | 20% | 250V | |
| C805 | 1-162-114-00 | CERAMIC | 0.0047MF | | 2KV | |
| C806 | 1-106-220-00 | MYLAR | 0.1MF | 10% | 100V | |
| C807 | 1-106-395-00 | MYLAR | 0.15MF | 10% | 200V | |
| C810 | 1-124-494-00 | ELECT | 33MF | | 160V | |
| C811 | 1-136-541-11 | FILM | 1.5MF | 5% | 200V | |
| C812 | 1-124-634-11 | ELECT | 1MF | 20% | 250V | |
| C813 | 1-102-212-00 | CERAMIC | 820PF | 10% | 500V | |
| C814 ⚠ | 1-161-731-11 | CERAMIC | 0.001MF | 10% | 2KV | |
| C815 | 1-136-540-11 | FILM | 0.82MF | 5% | 200V | |
| C817 | 1-136-591-11 | FILM | 0.017MF | 3% | 1.4KV | |
| C818 | 1-136-759-11 | FILM | 0.039MF | 10% | 630V | |
| C819 ⚠ | 1-161-731-11 | CERAMIC | 0.001MF | 10% | 2KV | |

The components identified by shading and mark ⚠ are critical for safety.
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| REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C820 | 1-106-218-00 | MYLAR | 0.0082MF | 10% | 400V |
| C821 ⚠ | 1-162-116-51 | CERAMIC | 680PF | 10% | 2KV |
| C822 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C823 | 1-106-359-00 | MYLAR | 0.0047MF | 10% | 400V |
| C824 | 1-102-212-00 | CERAMIC | 820PF | 10% | 500V |
| C825 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V |
| C826 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |
| | | <FILTER> | | | |
| CF001 | 1-567-686-11 | OSCILLATOR, CERAMIC | | | |
| CF501 | 1-567-888-11 | OSCILLATOR, CERAMIC | | | |
| | | <CONNECTOR> | | | |
| CN801 | *1-508-765-00 | PIN, CONNECTOR (5MM PITCH) 3P | | | |
| CND01 | *1-564-884-11 | PLUG, CONNECTOR 7P | | | |
| CND02 | *1-568-418-11 | CONNECTOR (FPC) 8P | | | |
| CND11 | *1-566-660-11 | CONNECTOR, HINGE (PLUG) 18P | | | |
| CND12 | *1-564-884-11 | PLUG, CONNECTOR 7P | | | |
| CND18 | *1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | |
| CND19 | *1-564-881-11 | PLUG, CONNECTOR 4P | | | |
| CND21 | *1-564-346-00 | CONNECTOR, BOARD TO BOARD 18P | | | |
| CND23 | *1-560-124-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | |
| CND31 | *1-564-346-00 | CONNECTOR, BOARD TO BOARD 18P | | | |
| CND41 | *1-566-367-11 | CONNECTOR, HINGE (RECEPTACLE) | | | |
| CND45 | *1-564-883-11 | PLUG, CONNECTOR 6P | | | |
| CND51 | *1-566-367-11 | CONNECTOR, HINGE (RECEPTACLE) | | | |
| CND64 | *1-506-348-99 | PIN, CONNECTOR 3P | | | |
| CND82 | *1-508-765-00 | PIN, CONNECTOR (5MM PITCH) 3P | | | |
| CND83 | *1-508-786-00 | PIN, CONNECTOR (5MM PITCH) 2P | | | |
| CND84 | *1-564-038-00 | CONNECTOR PLUG, DY (MINI) 6P | | | |
| CND88 | *1-564-881-11 | PLUG, CONNECTOR 4P | | | |
| CND91 | *1-560-123-00 | PLUG, CONNECTOR (2.5MM) 3P | | | |
| CND92 | *1-560-125-00 | PLUG, CONNECTOR (2.5MM) 5P | | | |
| CND94 | *1-560-123-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | |
| | | <DIODE> | | | |
| D001 | 8-719-911-19 | DIODE 1SS119 | | | |
| D002 | 8-719-911-19 | DIODE 1SS119 | | | |
| D003 | 8-719-911-19 | DIODE 1SS119 | | | |
| D004 | 8-719-911-19 | DIODE 1SS119 | | | |
| D005 | 8-719-109-71 | DIODE RD3.9ES-B1 | | | |
| D007 | 8-719-109-89 | DIODE RD5.6ES-B2 | | | |
| D008 | 8-719-110-85 | DIODE RD36ES-B4 | | | |
| D009 | 8-719-109-89 | DIODE RD5.6ES-B2 | | | |
| D011 | 8-719-911-19 | DIODE 1SS119 | | | |
| D012 | 8-719-911-19 | DIODE 1SS119 | | | |
| D254 | 8-719-110-14 | DIODE RD9.1ES-B3 | | | |
| D255 | 8-719-000-12 | DIODE MC931 | | | |
| D256 | 8-719-000-12 | DIODE MC931 | | | |
| D501 | 8-719-911-19 | DIODE 1SS119 | | | |
| D504 | 8-719-911-55 | DIODE U05G | | | |
| D506 | 8-719-000-12 | DIODE MC931 | | | |
| D508 | 8-719-911-19 | DIODE 1SS119 | | | |
| D509 | 8-719-911-19 | DIODE 1SS119 | | | |
| D511 | 8-719-911-55 | DIODE U05G | | | |
| D512 | 8-719-911-55 | DIODE U05G | | | |
| D513 | 8-719-109-81 | DIODE RD4.7ES-B2 | | | |
| D591 | 8-719-911-19 | DIODE 1SS119 | | | |
| D592 | 8-719-911-19 | DIODE 1SS119 | | | |
| D593 | 8-719-911-19 | DIODE 1SS119 | | | |
| D601 ⚠ | 8-719-946-90 | DIODE KBU4JL-6088 | | | |

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| D602 | 8-719-300-33 | DIODE RU-3AM | |
| D603 | 8-719-911-55 | DIODE U05G | |
| D604 | 8-719-911-55 | DIODE U05G | |
| D605 | 8-719-911-55 | DIODE U05G | |
| D606 | 8-719-300-33 | DIODE RU-3AM | |
| D607 | 8-719-300-33 | DIODE RU-3AM | |
| D608 | 8-719-300-33 | DIODE RU-3AM | |
| D610 | 8-719-300-59 | DIODE CTU-12S | |
| D611 | 8-719-900-26 | DIODE ERD29-08J | |
| D612 | 8-719-300-59 | DIODE CTU-12S | |
| D613 | 8-719-300-33 | DIODE RU-3AM | |
| D614 | 8-719-300-33 | DIODE RU-3AM | |
| D615 | 8-719-109-90 | DIODE RD5.6ES-B3 | |
| D616 | 8-719-109-93 | DIODE RD6.2ES-B2 | |
| D618 | 8-719-109-89 | DIODE RD5.6ES-B2 | |
| D620 | 8-719-000-12 | DIODE MC931 | |
| D622 | 8-719-911-19 | DIODE 1SS119 | |
| D623 | 8-719-911-19 | DIODE 1SS119 | |
| D624 | 8-719-911-19 | DIODE 1SS119 | |
| D627 | 8-719-911-19 | DIODE 1SS119 | |
| D630 | 8-719-110-39 | DIODE RD15ES-B1 | |
| D632 | 8-719-110-16 | DIODE RD10ES-B1 | |
| D633 | 8-719-911-19 | DIODE 1SS119 | |
| D801 | 8-719-300-33 | DIODE RU-3AM | |
| D802 | 8-719-300-33 | DIODE RU-3AM | |
| D803 | 8-719-300-65 | DIODE ES1F | |
| D804 | 8-719-911-55 | DIODE U05G | |
| D805 | 8-719-911-55 | DIODE U05G | |
| D806 | 8-719-945-80 | DIODE ERC06-15S | |
| D807 | 8-719-945-80 | DIODE ERC06-15S | |
| D808 | 8-719-900-26 | DIODE ERD29-08J | |
| D809 | 8-719-300-33 | DIODE RU-3AM | |
| | | <IC> | |
| IC001 | 8-759-630-06 | IC M50436-614SP | |
| IC002 | 8-759-979-57 | IC MB88503H-1022G | |
| IC003 | 8-759-603-41 | IC M58655P | |
| IC004 | 8-759-157-40 | IC UPC574J | |
| IC251 | 8-759-803-31 | IC LA4280 | |
| | *4-368-683-01 | SPRING; IC251 | |
| IC401 | 8-752-006-12 | IC CX20061 | |
| IC501 | 8-759-970-73 | IC TEA2028B | |
| IC502 | 8-759-944-57 | IC TDA8170 | |
| | *4-381-724-01 | HOLDER, IC; IC502 | |
| IC601 | 8-759-946-23 | IC TEA2164 | |
| | *4-386-642-01 | HEAT SINK, IC; IC601 | |
| IC608 | 8-759-982-13 | IC RC7812FA | |
| | | <COIL> | |
| L001 | 1-408-414-00 | INDUCTOR 27UH | |
| L501 | 1-408-225-00 | INDUCTOR 3.3UH | |
| L601 | *1-420-872-00 | COIL, AIR CORE | |
| L602 | 1-410-396-41 | FERRITE BEAD INDUCTOR | |
| L603 | 1-410-396-41 | FERRITE BEAD INDUCTOR | |
| L605 | 1-459-442-00 | COIL (WITH CORE) | |
| L606 | 1-421-013-00 | COIL, (HOLIZONTAL CHOKE) 25UH | |
| L607 | 1-408-421-00 | INDUCTOR 100UH | |
| L801 | 1-459-087-00 | COIL,HCC DUST CORE 3.9MMH | |
| L803 | 1-459-104-00 | COIL,DUST CORE | |
| L804 | 1-408-239-00 | INDUCTOR 4.7MMH | |
| L805 | 1-459-907-11 | COIL, HORIZONTAL LINEARITY | |

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| L806 | 1-459-087-00 | COIL,HCC DUST CORE 3.9MMH | |
| L807 | 1-407-504-00 | INDUCTOR 10MMH | |
| L809 | *1-420-872-00 | COIL, AIR CORE | |
| L810 | 1-421-794-21 | TRANSFORMER, FERRITE (PMT) | |
| | | <IC LINK> | |
| PS601⚠ | 1-532-984-91 | LINK, IC 2A | |
| PS602⚠ | 1-532-675-91 | LINK, IC 1.5A | |
| | | <TRANSISTOR> | |
| Q001 | 8-729-600-24 | TRANSISTOR 2SC403SP-51 | |
| Q002 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q003 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q004 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q252 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| Q501 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q502 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q503 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q505 | 8-729-140-96 | TRANSISTOR 2SD774-34 | |
| Q506 | 8-729-140-97 | TRANSISTOR 2SB734-34 | |
| Q507 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q591 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q598 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q601 | 8-729-820-15 | TRANSISTOR 2SB1274-RS | |
| Q602 | 8-729-209-02 | TRANSISTOR 2SD1548-LB | |
| | *4-368-683-01 | SPRING; Q602 | |
| Q603 | 8-729-820-15 | TRANSISTOR 2SB1274-RS | |
| Q604 | 8-729-378-92 | TRANSISTOR 2SD789-4 | |
| Q605 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q606 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q607 | 8-729-920-92 | TRANSISTOR 2SD2096-BF | |
| Q609 | 8-729-378-92 | TRANSISTOR 2SD789-4 | |
| Q801 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q804 | 8-729-304-50 | TRANSISTOR 2SD1941-06 | |
| | *4-368-683-01 | SPRING; Q804 | |
| Q805 | 8-729-119-80 | TRANSISTOR 2SC2688-LK | |
| | | <RESISTOR> | |
| R001 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R002 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R003 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R004 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R005 | 1-249-411-11 | CARBON 330 5% 1/4W | |
| R007 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| R008 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R009 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R010 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R011 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R012 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R013 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R014 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R016 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R017 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R018 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R019 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R020 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R021 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R022 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R023 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R024 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R025 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R026 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R027 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R028 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R029 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R030 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| R031 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R032 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R033 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R034 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R035 | 1-249-431-11 | CARBON 15K 5% 1/4W | |
| R036 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| R037 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R038 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R039 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R040 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R041 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R042 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R043 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R044 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R045 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R046 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R047 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R048 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R049 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R050 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| R051 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R053 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R054 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R056 | 1-249-440-11 | CARBON 82K 5% 1/4W | |
| R057 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R058 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R059 | 1-249-435-11 | CARBON 33K 5% 1/4W | |
| R060 | 1-249-436-11 | CARBON 39K 5% 1/4W | |
| R061 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R062 | 1-249-411-11 | CARBON 330 5% 1/4W | |
| R063 | 1-249-431-11 | CARBON 15K 5% 1/4W | |
| R064 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R067 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R068 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| R069 | 1-249-423-11 | CARBON 3.3K 5% 1/4W | |
| R070 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R071 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R072 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R073 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R074 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R075 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R076 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R077 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R078 | 1-249-423-11 | CARBON 3.3K 5% 1/4W | |
| R079 | 1-249-435-11 | CARBON 33K 5% 1/4W | |
| R080 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R081 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R082 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R083 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R084 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R085 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R086 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R087 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R088 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| R090 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R091 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R093 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R094 | 1-249-429-11 | CARBON 10K 5% 1/4W | |

# D

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R095 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R096 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R097 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R098 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R099 | 1-215-900-11 | METAL OXIDE | 22K | 5% | 2W | F |
| R251 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R252 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R253 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R255 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R256 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R260 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |
| R261 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R262 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R263 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R264 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R265 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R266 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R401 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R402 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R410 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R411 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R412 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R500 | 1-247-897-11 | CARBON | 560K | 5% | 1/4W | |
| R501 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R502 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R503 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W | |
| R504 | 1-215-427-00 | METAL | 1.8K | 1% | 1/6W | |
| R505 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R506 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W | |
| R507 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R509 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| R510 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R511 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R512 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R513 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R514 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R515 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R516 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R517 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R518 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R519 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R520 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R521 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R522 | 1-215-469-00 | METAL | 100K | 1% | 1/6W | |
| R523 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R524 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R525 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R526 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | F |
| R527 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R528 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R529 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W | |
| R530 | 1-249-448-11 | CARBON | 1.2 | 5% | 1/4W | F |
| R531 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W | |
| R532 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R534 | 1-247-901-11 | CARBON | 820K | 5% | 1/4W | |
| R536 | 1-249-749-00 | CARBON | 2.2M | 5% | 1/4W | |
| R537 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R538 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W | |
| R539 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W | |
| R540 | 1-249-399-11 | CARBON | 33 | 5% | 1/4W | |
| R541 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | |
| R542 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R543 | 1-249-451-11 | CARBON | 2.2 | 5% | 1/4W | |
| R544 | 1-247-745-11 | CARBON | 330 | 5% | 1/2W | |
| R545 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R546 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R547 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R548 | 1-216-349-00 | METAL OXIDE | 1 | 5% | 1W | F |
| R549 | 1-216-454-11 | METAL OXIDE | 390 | 5% | 2W | F |
| R550 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W | |
| R551 | 1-249-749-00 | CARBON | 2.2M | 5% | 1/4W | |
| R553 | 1-216-869-11 | METAL OXIDE | 1K | 5% | 1W | |
| R554 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R555 | 1-249-749-00 | CARBON | 2.2M | 5% | 1/4W | |
| R556 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R557 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R558 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W | |
| R559 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W | |
| R560 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R591 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W | |
| R592 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R593 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R594 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| R595 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R596 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R597 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R598 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R599 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R602 | 1-216-465-11 | METAL OXIDE | 27K | 5% | 2W | F |
| R603 | 1-216-359-00 | METAL OXIDE | 6.8 | 5% | 1W | F |
| R604 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | |
| R605 | 1-215-469-00 | METAL | 100K | 1% | 1/6W | |
| R606 | 1-247-850-11 | CARBON | 6.2K | 5% | 1/4W | |
| R607 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | |
| R608 | 1-216-490-11 | METAL OXIDE | 39K | 5% | 3W | F |
| R609 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R610 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R611 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R612 | 1-207-905-00 | WIREWOUND | 0.27 | 10% | 2W | F |
| R613 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R614 | 1-205-758-11 | WIREWOUND | 100 | 10% | 10W | F |
| R616 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R617 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R618 | 1-216-431-11 | METAL OXIDE | 560 | 5% | 1W | |
| R619 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R620 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R621 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R622 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R623 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W | F |
| R624 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R625 | 1-215-865-11 | METAL OXIDE | 220 | 5% | 1W | |
| R626 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R628 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |
| R629 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R630 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R633 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R634 | 1-216-430-11 | METAL OXIDE | 390 | 5% | 1W | |
| R635 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R636 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R642 | 1-216-343-00 | METAL OXIDE | 0.33 | 5% | 1W | F |
| R643 | 1-217-192-21 | WIREWOUND | 0.22 | 10% | 2W | F |
| R647 | 1-216-485-11 | METAL OXIDE | 5.6K | 5% | 3W | F |
| R648 | 1-216-485-11 | METAL OXIDE | 5.6K | 5% | 3W | F |
| R649 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | |
| R650 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R651 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R652 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W | |

D V

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R653 | 1-205-758-11 | WIREWOUND | 100 | 10% | 10W | F |
| R802 | 1-249-443-11 | CARBON | 0.47 | 5% | 1/4W | F |
| R805 | 1-249-448-11 | CARBON | 1.2 | 5% | 1/4W | F |
| R806 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W | |
| R807 | 1-216-869-11 | METAL OXIDE | 1K | 5% | 1W | |
| R809 | 1-202-821-11 | SOLID | 1.8K | 10% | 1/2W | |
| R810 | 1-202-818-00 | SOLID | 1K | 10% | 1/2W | |
| R811 | 1-215-882-00 | METAL OXIDE | 22 | 5% | 2W | F |
| R812 | 1-249-494-11 | CARBON | 68K | 5% | 1/2W | |
| R815 | 1-215-884-11 | METAL OXIDE | 47 | 5% | 2W | F |
| R816 | 1-215-868-00 | METAL OXIDE | 680 | 5% | 1W | |
| R817 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R820 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W | |
| R821 | 1-247-725-11 | CARBON | 10K | 5% | 1/4W | F |
| R822 | 1-217-778-11 | FUSIBLE | 1K | 5% | 1W | F |
| R825 | 1-216-345-11 | METAL OXIDE | 0.47 | 5% | 1W | F |
| R826 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R827 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R828 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R829 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R830 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R831 | 1-249-451-11 | CARBON | 2.2 | 5% | 1/4W | |
| R1001 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R1002 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R1006 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R1007 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W | |
| R1008 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| R1009 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1010 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R1011 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R1012 | 1-249-405-11 | CARBON | 100 | 5% | 1/4W | |
| R5501 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R5502 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R5503 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W | |
| R5504 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W | |
| R5505 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |

<VARIABLE RESISTOR>

| | | |
|---|---|---|
| RV501 | 1-238-013-11 | RES, ADJ, CARBON 2.2K |
| RV502 | 1-238-016-11 | RES, ADJ, CARBON 10K |
| RV601 | 1-238-013-11 | RES, ADJ, CARBON 2.2K |

<SPARK GAP>

| | | |
|---|---|---|
| SG801 | 1-519-063-99 | DISCHARGING GAP |

<TRANSFORMER>

| | | |
|---|---|---|
| T601 | 1-448-961-21 | S.R.T |
| T602 | 1-424-011-11 | TRANSFORMER, PULSE |
| T801 ⚠ | 1-437-090-21 | HDT |
| T802 ⚠ | 1-439-416-11 | TRANSFORMER ASSY, FLYBACK (UX-1600) |

**********

*A-1347-030-A V BOARD, COMPLETE
**********

*4-380-698-01 CASE (MAIN), SHIELD, A1
*4-380-699-01 CASE (UPPER LID), SHIELD, A1
*4-382-701-01 CASE (BOTTOM LID), SHIELD, A2

<CAPACITOR>

| REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C01 | 1-126-101-11 | ELECT | 100MF | 20% | 16V |
| C02 | 1-124-120-11 | ELECT | 220MF | 20% | 16V |
| C03 | 1-124-119-00 | ELECT | 330MF | 20% | 16V |
| C04 | 1-124-477-11 | ELECT | 47MF | 20% | 16V |
| C05 | 1-126-101-11 | ELECT | 100MF | 20% | 16V |
| C06 | 1-124-120-11 | ELECT | 220MF | 20% | 16V |
| C07 | 1-124-499-11 | ELECT | 1MF | 20% | 50V |
| C08 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V |
| C09 | 1-163-141-00 | CERAMIC CHIP | 0.001MF | 5% | 50V |
| C10 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C11 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C12 | 1-163-127-00 | CERAMIC CHIP | 270PF | 5% | 50V |
| C13 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| C14 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V |
| C15 | 1-163-103-00 | CERAMIC CHIP | 27PF | 5% | 50V |
| C16 | 1-163-021-00 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C17 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C18 | 1-163-099-00 | CERAMIC CHIP | 18PF | 5% | 50V |
| C19 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C20 | 1-163-125-00 | CERAMIC CHIP | 220PF | 5% | 50V |
| C21 | 1-163-833-00 | CERAMIC CHIP | 0.068MF | | 25V |
| C24 | 1-126-101-11 | ELECT | 100MF | 20% | 16V |
| C25 | 1-124-477-11 | ELECT | 47MF | 20% | 16V |
| C27 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| C28 | 1-163-137-00 | CERAMIC CHIP | 680PF | 5% | 50V |
| C29 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C51 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C52 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C53 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C54 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C55 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C56 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V |
| C57 | 1-163-141-00 | CERAMIC CHIP | 0.001MF | 5% | 50V |
| C58 | 1-163-141-00 | CERAMIC CHIP | 0.001MF | 5% | 50V |
| C59 | 1-163-141-00 | CERAMIC CHIP | 0.001MF | 5% | 50V |

<CONNECTOR>

| | | |
|---|---|---|
| CNV03 | *1-508-784-00 | PIN, CONNECTOR (5MM PITCH) 1P |

<TRIMMER>

| | | |
|---|---|---|
| CT01 | 1-141-392-11 | CAP, VAR, TRIMMER (1 GANG) |

<DIODE>

| | | |
|---|---|---|
| D01 | 8-719-105-91 | DIODE RD5.6M-B2 |
| D02 | 8-719-106-79 | DIODE RD13M-B1 |
| D03 | 8-719-400-18 | DIODE MA152WK |
| D04 | 8-719-105-52 | DIODE RD3.6M-B2 |
| D07 | 8-719-106-17 | DIODE RD6.8M-B2 |
| D08 | 8-719-106-17 | DIODE RD6.8M-B2 |
| D09 | 8-719-400-18 | DIODE MA152WK |
| D10 | 8-719-400-18 | DIODE MA152WK |
| D11 | 8-719-914-44 | DIODE DAP202K |
| D12 | 8-719-914-44 | DIODE DAP202K |

<IC>

| | | |
|---|---|---|
| IC1 | 8-759-986-92 | IC MAB8461P-W177 |
| IC2 | 8-759-972-96 | IC SAA5231-V6 |
| IC3 | 8-759-013-21 | IC SDA5241 |
| IC4 | 8-759-230-68 | IC TMM2063P-70 |

# V H9

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | | <COIL> | | | | |
| L01 | 1-408-411-00 | INDUCTOR | 15UH | | | |
| L02 | 1-408-407-00 | INDUCTOR | 6.8UH | | | |
| L03 | 1-408-407-00 | INDUCTOR | 6.8UH | | | |
| L04 | 1-408-407-00 | INDUCTOR | 6.8UH | | | |
| L05 | 1-408-407-00 | INDUCTOR | 6.8UH | | | |
| L06 | 1-408-407-00 | INDUCTOR | 6.8UH | | | |
| | | <TRANSISTOR> | | | | |
| Q01 | 8-729-920-92 | TRANSISTOR 2SD2096-EF | | | | |
| Q02 | 8-729-807-50 | TRANSISTOR 2SD1623R | | | | |
| Q03 | 8-729-900-53 | TRANSISTOR DTC114EK | | | | |
| Q04 | 8-729-271-22 | TRANSISTOR 2SC2712G | | | | |
| Q05 | 8-729-807-50 | TRANSISTOR 2SD1623R | | | | |
| Q06 | 8-729-271-22 | TRANSISTOR 2SC2712G | | | | |
| Q07 | 8-729-900-98 | TRANSISTOR DTC143TK | | | | |
| Q09 | 8-729-807-87 | TRANSISTOR 2SB1295-UL6 | | | | |
| Q10 | 8-729-807-87 | TRANSISTOR 2SB1295-UL6 | | | | |
| Q11 | 8-729-807-87 | TRANSISTOR 2SB1295-UL6 | | | | |
| | | <RESISTOR> | | | | |
| JW1 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW2 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW3 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW4 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW5 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW6 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW7 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW8 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW9 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW10 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW11 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW12 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW13 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW14 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW15 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW16 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW17 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW18 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW19 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW20 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW21 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW22 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW23 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| R01 | 1-218-326-11 | METAL GLAZE | 470 | | 1/2W | |
| R02 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R04 | 1-218-326-11 | METAL GLAZE | 470 | | 1/2W | |
| R05 | 1-216-025-00 | METAL GLAZE | 100 | 5% | 1/10W | |
| R06 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R07 | 1-216-025-00 | METAL GLAZE | 100 | 5% | 1/10W | |
| R08 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W | |
| R09 | 1-216-091-00 | METAL GLAZE | 56K | 5% | 1/10W | |
| R13 | 1-216-025-00 | METAL GLAZE | 100 | 5% | 1/10W | |
| R14 | 1-216-025-00 | METAL GLAZE | 100 | 5% | 1/10W | |
| R15 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W | |
| R16 | 1-216-055-00 | METAL GLAZE | 1.8K | 5% | 1/10W | |
| R17 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R18 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R19 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W | |
| R20 | 1-216-043-00 | METAL GLAZE | 560 | 5% | 1/10W | |
| R27 | 1-216-013-00 | METAL GLAZE | 33 | 5% | 1/10W | |
| R28 | 1-216-013-00 | METAL GLAZE | 33 | 5% | 1/10W | |
| R29 | 1-216-013-00 | METAL GLAZE | 33 | 5% | 1/10W | |
| R30 | 1-218-325-11 | METAL GLAZE | 120 | | 1/4W | |
| R31 | 1-218-325-11 | METAL GLAZE | 120 | | 1/4W | |
| R32 | 1-218-325-11 | METAL GLAZE | 120 | | 1/4W | |
| R33 | 1-216-023-00 | METAL GLAZE | 82 | 5% | 1/10W | |
| R34 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R37 | 1-216-025-00 | METAL GLAZE | 100 | 5% | 1/10W | |
| R38 | 1-216-047-00 | METAL GLAZE | 820 | 5% | 1/10W | |
| R40 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R41 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W | |
| R43 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R44 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W | |
| R45 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R46 | 1-216-311-00 | METAL GLAZE | 6.8 | 5% | 1/10W | |
| R51 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R52 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R53 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R54 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R55 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W | |
| R56 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R57 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R58 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R59 | 1-216-056-00 | METAL GLAZE | 2K | 5% | 1/10W | |
| R60 | 1-216-063-00 | METAL GLAZE | 3.9K | 5% | 1/10W | |
| R61 | 1-216-071-00 | METAL GLAZE | 8.2K | 5% | 1/10W | |
| R62 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R63 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R64 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R65 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R66 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R67 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R68 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R69 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| | | <VARIABLE RESISTOR> | | | | |
| RV01 | 1-238-009-11 | RES, ADJ, CARBON 220 | | | | |
| | | <CONNECTOR> | | | | |
| V1 | *1-560-123-00 | PLUG, CONNECTOR (2.5MM) 3P | | | | |
| V2 | *1-560-125-00 | PLUG, CONNECTOR (2.5MM) 5P | | | | |
| V3 | *1-560-126-00 | PLUG, CONNECTOR (2.5MM) 6P | | | | |
| V4 | *1-560-123-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | | |
| V5 | *1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | | |
| | | <CRYSTAL> | | | | |
| X01 | 1-567-162-21 | OSCILLATOR, CRYSTAL | | | | |
| X02 | 1-567-495-21 | OSCILLATOR, CRYSTAL | | | | |
| X03 | 1-577-082-11 | VIBRATOR, CERAMIC | | | | |
| ********** | | | | | | |
| | *1-629-745-21 | H9 BOARD | | | | |
| | | ******** | | | | |
| | *4-374-987-01 | GUIDE, LIGHT | | | | |
| | *4-388-955-01 | BRACKET (B), LIGHT GUIDE | | | | |
| | | <CONNECTOR> | | | | |
| CNH901 | *1-564-884-11 | PLUG, CONNECTOR 7P | | | | |

H9 Ks J1

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | | <DIODE> | | | | |
| D1401 | 8-719-311-14 | DIODE SEL1222R-CD | | | | |
| | *4-387-801-01 | HOLDER, LED; D1401 | | | | |
| D1402 | 8-719-311-14 | DIODE SEL1222R-CD | | | | |
| | *4-387-801-01 | HOLDER, LED; D1402 | | | | |
| D1403 | 8-719-311-14 | DIODE SEL1222R-CD | | | | |
| | *4-387-801-01 | HOLDER, LED; D1403 | | | | |
| D1404 | 8-719-948-31 | DIODE LD-201VR | | | | |
| | *4-387-825-01 | HOLDER, LED; D1404 | | | | |
| | | <IC> | | | | |
| IC1401 | 8-741-138-70 | IC BX1387 | | | | |
| | | ********** | | | | |
| | *1-629-781-21 | KS BOARD | | | | |
| | | ******** | | | | |
| | | <CAPACITOR> | | | | |
| C202 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C203 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C204 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C205 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C206 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C207 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | |
| C213 | 1-126-233-11 | ELECT | 22MF | 20% | 50V | |
| C214 | 1-106-363-00 | MYLAR | 0.0068MF | 10% | 400V | |
| C217 | 1-106-363-00 | MYLAR | 0.0068MF | 10% | 400V | |
| C218 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C219 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C220 | 1-108-620-11 | MYLAR | 0.0033MF | 10% | 100V | |
| C221 | 1-108-620-11 | MYLAR | 0.0033MF | 10% | 100V | |
| C222 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C223 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C224 | 1-106-367-00 | MYLAR | 0.01MF | 10% | 400V | |
| C225 | 1-136-173-00 | FILM | 0.47MF | 5% | 50V | |
| C226 | 1-136-173-00 | FILM | 0.47MF | 5% | 50V | |
| C227 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C228 | 1-106-379-12 | MYLAR | 0.033MF | 10% | 250V | |
| C229 | 1-106-371-00 | MYLAR | 0.015MF | 10% | 400V | |
| C230 | 1-106-371-00 | MYLAR | 0.015MF | 10% | 400V | |
| C231 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C232 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C233 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C234 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C235 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C236 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V | |
| C237 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C238 | 1-102-978-00 | CERAMIC | 220PF | 5% | 50V | |
| C239 | 1-126-103-11 | ELECT | 470MF | 20% | 16V | |
| | | <CONNECTOR> | | | | |
| CNK21 | *1-562-370-21 | CONNECTOR, BOARD TO BOARD 18P | | | | |
| CNK25 | *1-564-880-31 | PLUG, CONNECTOR 3P | | | | |
| | | <DIODE> | | | | |
| D201 | 8-719-110-14 | DIODE RD9.1ES-B3 | | | | |
| D202 | 8-719-110-14 | DIODE RD9.1ES-B3 | | | | |
| D205 | 8-719-110-04 | DIODE RD7.5ES-B3 | | | | |
| D206 | 8-719-110-04 | DIODE RD7.5ES-B3 | | | | |

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | | <IC> | | | | |
| IC201 | 8-759-013-17 | IC TDA6200 | | | | |
| | | <TRANSISTOR> | | | | |
| Q201 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q202 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| | | <RESISTOR> | | | | |
| R201 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R202 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R203 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R204 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R205 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R206 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R207 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| R208 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R209 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R210 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R211 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R212 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R213 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R214 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R215 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R216 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| R217 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R218 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R219 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R220 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R221 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R222 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R223 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R224 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R225 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R226 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R227 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R228 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R229 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R230 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R231 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R232 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| | | ********** | | | | |
| | *A-1388-088-A | J1 BOARD, COMPLETE | | | | |
| | | ********** | | | | |
| | *1-564-893-11 | PLUG, CONNECTOR 4P | | | | |
| | | <CAPACITOR> | | | | |
| C1401 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C1402 | 1-126-103-11 | ELECT | 470MF | 20% | 16V | |
| C1403 | 1-163-129-00 | CERAMIC CHIP | 330PF | 10% | 50V | |
| C1404 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C1405 | 1-136-017-00 | CERAMIC CHIP | 0.0047MF | | 50V | |
| C1406 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C1407 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C1408 | 1-126-101-11 | ELECT | 100MF | 20% | 16V | |
| C1409 | 1-126-233-11 | ELECT | 22MF | 20% | 50V | |
| C1410 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |

# J1

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| C1411 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C1412 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C1413 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C1414 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C1415 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C1416 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C1417 | 1-124-120-11 | ELECT | 220MF | 20% | 16V | |
| C1418 | 1-163-129-00 | CERAMIC CHIP | 330PF | 10% | 50V | |
| C1419 | 1-163-129-00 | CERAMIC CHIP | 330PF | 10% | 50V | |
| C1421 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C1423 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C1424 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | |
| C1425 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C1426 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C1427 | 1-136-017-00 | CERAMIC CHIP | 0.0047MF | | 50V | |
| C1428 | 1-136-017-00 | CERAMIC CHIP | 0.0047MF | | 50V | |
| C1429 | 1-136-017-00 | CERAMIC CHIP | 0.0047MF | | 50V | |
| C1430 | 1-163-129-00 | CERAMIC CHIP | 330PF | 10% | 50V | |
| C1431 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C1432 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | |
| C1433 | 1-126-101-11 | ELECT | 100MF | 20% | 16V | |
| C1436 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V | |
| C1437 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V | |
| C1438 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C1439 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | |
| C1501 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C1502 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C1503 | 1-108-614-11 | MYLAR | 0.001MF | 10% | 100V | |
| C1504 | 1-124-910-11 | ELECT | 47MF | 20% | 50V | |
| C1505 | 1-106-383-00 | MYLAR | 0.047MF | 10% | 100V | |
| C1507 | 1-108-620-11 | MYLAR | 0.0033MF | 10% | 100V | |
| C1508 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C1509 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | |
| C1511 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | |
| C1512 | 1-106-363-00 | MYLAR | 0.0068MF | 10% | 400V | |
| C1513 | 1-163-105-00 | CERAMIC CHIP | 33PF | 5% | 50V | |
| C1514 | 1-106-353-00 | MYLAR | 0.027MF | 10% | 250V | |
| C1515 | 1-102-117-00 | CERAMIC | 820PF | 10% | 50V | |

<CONNECTOR>

| | | |
|---|---|---|
| CN1401 | 1-536-996-11 | TERMINAL BOARD, INPUT/OUTPUT |
| CNJ25 | *1-564-892-41 | PLUG, CONNECTOR 3P |
| CNJ43 | *1-564-893-11 | PLUG, CONNECTOR 4P |
| CNJ45 | *1-566-641-11 | CONNECTOR, HINGE (TAB) 18P |
| CNJ51 | *1-566-641-11 | CONNECTOR, HINGE (TAB) 18P |
| CNJ132 | *1-564-893-11 | PLUG, CONNECTOR 4P |
| CNJ140 | 1-561-534-41 | SOCKET 21P |
| CNJ140 | 1-561-534-41 | SOCKET 21P |
| CNJ145 | *1-564-895-11 | PLUG, CONNECTOR 6P |

<DIODE>

| | | |
|---|---|---|
| D1401 | 8-719-106-23 | DIODE RD7.5M-B2 |
| D1403 | 8-719-106-23 | DIODE RD7.5M-B2 |
| D1404 | 8-719-106-23 | DIODE RD7.5M-B2 |
| D1405 | 8-719-106-23 | DIODE RD7.5M-B2 |
| D1406 | 8-719-106-23 | DIODE RD7.5M-B2 |
| D1407 | 8-719-400-82 | DIODE MA3100M |
| D1408 | 8-719-106-44 | DIODE RD9.1M-B2 |
| D1409 | 8-719-106-44 | DIODE RD9.1M-B2 |
| D1410 | 8-719-106-44 | DIODE RD9.1M-B2 |
| D1415 | 8-719-106-23 | DIODE RD7.5M-B2 |
| D1418 | 8-719-106-23 | DIODE RD7.5M-B2 |
| D1419 | 8-719-106-23 | DIODE RD7.5M-B2 |
| D1420 | 8-719-106-23 | DIODE RD7.5M-B2 |
| D1501 | 8-719-400-18 | DIODE MA152WK |
| D1502 | 8-719-400-18 | DIODE MA152WK |
| D1503 | 8-719-400-18 | DIODE MA152WK |
| D1504 | 8-719-400-18 | DIODE MA152WK |
| D1505 | 8-719-800-76 | DIODE 1SS226 |
| D1506 | 8-719-118-15 | DIODE RD36M-B |
| D1507 | 8-719-400-18 | DIODE MA152WK |

<IC>

| | | |
|---|---|---|
| IC1401 | 8-752-032-27 | IC CXA1114P |
| IC1402 | 8-759-946-32 | IC TEA2014A |
| IC1501 | 8-759-942-16 | IC TEA2031A |

<COIL>

| | | |
|---|---|---|
| L1401 | 1-412-240-11 | INDUCTOR, WIDE BAND |
| L1402 | 1-412-240-11 | INDUCTOR, WIDE BAND |

<TRANSISTOR>

| | | |
|---|---|---|
| Q1401 | 8-729-216-22 | TRANSISTOR 2SA1162 |
| Q1402 | 8-729-216-22 | TRANSISTOR 2SA1162 |
| Q1403 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q1404 | 8-729-901-00 | TRANSISTOR DTC124EK |

<RESISTOR>

| | | | | | | |
|---|---|---|---|---|---|---|
| JW1413 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW1452 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W | |
| JW1453 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W | |
| JW1456 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW1457 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W | |
| JW1458 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW1459 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W | |
| JW1461 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W | |
| JW1462 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW1463 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W | |
| JW1464 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W | |
| R1401 | 1-216-023-00 | METAL GLAZE | 82 | 5% | 1/10W | |
| R1402 | 1-216-170-00 | METAL GLAZE | 68 | 5% | 1/8W | |
| R1403 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W | |
| R1404 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W | |
| R1405 | 1-216-222-00 | METAL GLAZE | 10K | 5% | 1/8W | |
| R1407 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W | |
| R1408 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W | |
| R1409 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W | |
| R1410 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W | |
| R1411 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W | |
| R1412 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W | |
| R1413 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W | |
| R1414 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W | |
| R1415 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W | |
| R1416 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W | |
| R1417 | 1-216-023-00 | METAL GLAZE | 82 | 5% | 1/10W | |
| R1418 | 1-247-738-11 | CARBON | 82 | 5% | 1/2W | F |
| R1419 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W | |
| R1420 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W | |
| R1422 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R1423 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W | |
| R1424 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W | |
| R1425 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R1426 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |

J1 J2

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R1427 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W | |
| R1428 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W | |
| R1429 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W | |
| R1430 | 1-216-172-00 | METAL GLAZE | 82 | 5% | 1/8W | |
| R1433 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W | |
| R1434 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R1437 | 1-216-222-00 | METAL GLAZE | 10K | 5% | 1/8W | |
| R1440 | 1-216-045-00 | METAL GLAZE | 680 | 5% | 1/10W | |
| R1441 | 1-216-045-00 | METAL GLAZE | 680 | 5% | 1/10W | |
| R1442 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W | |
| R1443 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W | |
| R1444 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W | |
| R1445 | 1-216-095-00 | METAL GLAZE | 82K | 5% | 1/10W | |
| R1447 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W | |
| R1448 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W | |
| R1452 | 1-216-188-00 | METAL GLAZE | 390 | 5% | 1/8W | |
| R1453 | 1-216-188-00 | METAL GLAZE | 390 | 5% | 1/8W | |
| R1454 | 1-216-180-00 | METAL GLAZE | 180 | 5% | 1/8W | |
| R1455 | 1-216-180-00 | METAL GLAZE | 180 | 5% | 1/8W | |
| R1456 | 1-216-025-00 | METAL GLAZE | 100 | 5% | 1/10W | |
| R1457 | 1-216-075-00 | METAL GLAZE | 12K | 5% | 1/10W | |
| R1458 | 1-216-748-11 | METAL GLAZE | 39K | 5% | 1/10W | |
| R1459 | 1-216-022-00 | METAL GLAZE | 75 | 5% | 1/10W | |
| R1501 | 1-216-230-00 | METAL GLAZE | 22K | 5% | 1/8W | |
| R1502 | 1-216-232-00 | METAL GLAZE | 27K | 5% | 1/8W | |
| R1503 | 1-216-262-00 | METAL GLAZE | 470K | 5% | 1/8W | |
| R1504 | 1-216-234-00 | METAL GLAZE | 33K | 5% | 1/8W | |
| R1505 | 1-216-230-00 | METAL GLAZE | 22K | 5% | 1/8W | |
| R1506 | 1-216-262-00 | METAL GLAZE | 470K | 5% | 1/8W | |
| R1509 | 1-216-254-00 | METAL GLAZE | 220K | 5% | 1/8W | |
| R1510 | 1-216-216-00 | METAL GLAZE | 5.6K | 5% | 1/8W | |
| R1511 | 1-216-198-00 | METAL GLAZE | 1K | 5% | 1/8W | |
| R1512 | 1-216-222-00 | METAL GLAZE | 10K | 5% | 1/8W | |
| R1513 | 1-216-240-00 | METAL GLAZE | 56K | 5% | 1/8W | |
| R1514 | 1-216-198-00 | METAL GLAZE | 1K | 5% | 1/8W | |
| R1515 | 1-216-266-00 | METAL GLAZE | 680K | 5% | 1/8W | |
| R1516 | 1-216-228-00 | METAL GLAZE | 18K | 5% | 1/8W | |
| R1517 | 1-216-184-00 | METAL GLAZE | 270 | 5% | 1/8W | |
| R1518 | 1-216-222-00 | METAL GLAZE | 10K | 5% | 1/8W | |
| R1519 | 1-216-250-00 | METAL GLAZE | 150K | 5% | 1/8W | |
| R1520 | 1-216-262-00 | METAL GLAZE | 470K | 5% | 1/8W | |
| R1521 | 1-216-214-00 | METAL GLAZE | 4.7K | 5% | 1/8W | |
| R1522 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W | |
| R1556 | 1-216-216-00 | METAL GLAZE | 5.6K | 5% | 1/8W | |
| R1558 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W | |

<VARIABLE RESISTOR>

| | | | |
|---|---|---|---|
| RV1501 | 1-238-023-11 | RES, ADJ, CARBON | 470K |
| RV1502 | 1-228-994-00 | RES, ADJ, CARBON | 10K |
| RV1503 | 1-238-017-11 | RES, ADJ, CARBON | 22K |
| RV1504 | 1-238-012-11 | RES, ADJ, CARBON | 1K |
| RV1505 | 1-238-023-11 | RES, ADJ, CARBON | 470K |
| RV1506 | 1-238-017-11 | RES, ADJ, CARBON | 22K |
| RV1507 | 1-238-009-11 | RES, ADJ, CARBON | 220 |
| RV1508 | 1-238-016-11 | RES, ADJ, CARBON | 10K |
| RV1509 | 1-238-023-11 | RES, ADJ, CARBON | 470K |

<SWITCH>

| | | | |
|---|---|---|---|
| S1401 | 1-570-145-11 | SWITCH, SLIDE | |

**********

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | *1-629-783-21 | J2 BOARD | | | | |
| | | ******** | | | | |

<CAPACITOR>

| | | | | | | |
|---|---|---|---|---|---|---|
| C1401 | 1-126-105-11 | ELECT | 1000MF | 20% | 35V | |
| C1402 | 1-126-105-11 | ELECT | 1000MF | 20% | 35V | |

<CONNECTOR>

| | | | |
|---|---|---|---|
| CNJ23 | *1-564-893-11 | PLUG, CONNECTOR 4P | |
| CNJ242 | *1-564-893-11 | PLUG, CONNECTOR 4P | |

<JACK>

| | | | |
|---|---|---|---|
| J1401 | 1-507-806-00 | JACK 1P | |

<RESISTOR>

| | | | | | |
|---|---|---|---|---|---|
| R1401 | 1-247-708-11 | CARBON | 470 | 5% | 1/4W |
| R1402 | 1-247-708-11 | CARBON | 470 | 5% | 1/4W |
| R1403 | 1-216-431-11 | METAL OXIDE | 560 | 5% | 1W |
| R1404 | 1-216-431-11 | METAL OXIDE | 560 | 5% | 1W |

**********

MISCELLANEOUS
*************

| | | |
|---|---|---|
| | 1-236-510-11 | NETWORK, DIVIDING |
| ⚠ | 1-426-398-11 | COIL, DEMAGNETIZATION |
| ⚠ | 1-451-313-21 | DEFLECTION YOKE (Y29FXA) |
| | 1-452-032-00 | MAGNET, DISK; 10MM φ |
| | 1-452-094-00 | MAGNET, ROTATABLE DISK; 15MM φ |
| ⚠ | 1-452-509-41 | NECK ASSY, PICTURE TUBE (NA-308) |
| | 1-466-141-11 | KEY BOARD, FLAT PANEL |
| | 1-544-146-11 | SPEAKER |
| | 1-544-147-11 | SPEAKER |
| ⚠ | 1-559-346-12 | CORD, POWER (WITH CONNECTOR) (AEP ONLY) |
| ⚠ | 1-559-912-12 | CORD, POWER (WITH CONNECTOR) (AUS ONLY) |
| V901 ⚠ | 8-733-821-05 | PICTURE TUBE (A68JYK10X) (AEP ONLY) |
| ⚠ | 8-733-825-05 | PICTURE TUBE (A68JYK10X) (AUS ONLY) |

**********

ACCESSORIES AND PACKING MATERIALS
*********************************

| PART NO. | DESCRIPTION | REMARK |
|---|---|---|
| A-1470-844-A | COMMANDER ASSY (RM-673) | |
| 3-750-214-11 | MANUAL, INSTRUCTION | |
| *4-380-432-01 | BAG, PROTECTION | |
| *4-394-318-01 | INDIVIDUAL CARTON | |
| *4-394-321-01 | CUSHION (LOWER) | |
| *4-394-322-01 | CUSHION (UPPER) (ASSY) | |

9-964-303-01

Sony Corporation
TV Group



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